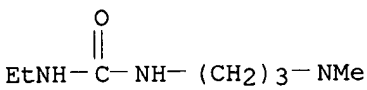
substituted cyclic hydrocarbon group; R1 is hydrogen, optionally substituted hydrocarbyl, an optionally substituted heterocyclic group, or acyl; R2 is optionally substituted amino; D is a free valency or a divalent group; E is CO, CON(Ra), COO, N(Ra)CON(Rb), N(Ra)SO2, N(Ra), O, S, SO, SO2; G is a free valency or a divalent group; L is a free valency, an optionally substituted divalent hydrocarbon group which may be interrupted by O or S, or the like; X is oxygen, optionally oxidized sulfur, optionally substituted nitrogen, or an optionally substituted divalent hydrocarbon group; Y is two hydrogen atoms, oxygen, or sulfur; and the dotted line indicates that R2 and an atom on ring B may together form a ring] and salts are prepd. and tested as somatostatin receptor regulators. Thus, the title compd. II was prepd. in treatment or prevention of diabetes and obesity.

IT **32897-26-0**
RL: RCT (Reactant)
(prepn. of arom. amine derivs. and agents contg. the same as somatostatin receptor regulators)

RN 32897-26-0 CAPLUS
CN Urea, N-[3-(dimethylamino)propyl]-N'-ethyl- (9CI) (CA INDEX NAME)



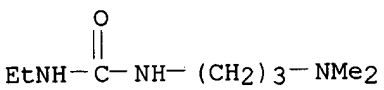
REFERENCE COUNT: 7
REFERENCE(S):
(1) Eastman Kodak Company; DE 2855697 A1 CAPLUS
(2) Eastman Kodak Company; JP 54145135 A CAPLUS
(3) Eastman Kodak Company; JP 54145135 A CAPLUS
(4) Eastman Kodak Company; GB 2010818 A 1979 CAPLUS
(5) Fuji Photo Film Co Ltd; JP 61233741 A 1986 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 6 OF 15 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1997:626481 CAPLUS
DOCUMENT NUMBER: 127:262918
TITLE: Synthesis of carbohydrate-containing dendrimers. 5. Preparation of dendrimers using unprotected carbohydrates
AUTHOR(S): Jayaraman, Narayanaswamy; Stoddart, J. Fraser
CORPORATE SOURCE: Sch. Chem., Univ. Birmingham, Birmingham, B15 2TT, UK
SOURCE: Tetrahedron Lett. (1997), 38(38), 6767-6770
CODEN: TELEAY; ISSN: 0040-4039
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Carbohydrate-contg. dendrimers have been prepd. using completely unprotected carbohydrates employing a convergent growth approach. The facile syntheses of lower generation dendrimers, using the amide bond forming methodol., opens up the possibility of obtaining densely-packed glycodendrimers without the need to resort to protecting group manipulations on the saccharide residues.

IT **32897-26-0**
RL: RCT (Reactant)
(prepn. of dendrimers using unprotected carbohydrates)

RN 32897-26-0 CAPLUS
CN Urea, N-[3-(dimethylamino)propyl]-N'-ethyl- (9CI) (CA INDEX NAME)



L12 ANSWER 7 OF 15 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1995:938113 CAPLUS
DOCUMENT NUMBER: 123:332082
TITLE: Preparation of biotin derivative and method for non-isotopic labeling of genes by biotin derivative
INVENTOR(S): Yamamoto, Isamu; Mukai, Tsunehiro
PATENT ASSIGNEE(S): Yamamoto Isamu, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07157497	A2	19950620	JP 1993-330034	19931201

OTHER SOURCE(S): MARPAT 123:332082

AB A carbodiimide-contg. biotin deriv. (I; R1 = C1-6 alkyl, cycloalkyl; R2 = C1-6 alkylene; R3, R4 = C1-3 alkyl; X- = Cl-, Br-, or I-) is prepd. A non-isotopic labeling of a gene involves biotinylation of a DNA or RNA by reacting a DNA or RNA with a biotin deriv. having a carbodiimide group I. The biotin deriv. can be prepd. in relatively low cost, readily reacts with a DNA or RNA, and the reaction product is colored and can be distinguished from other non-labeled compds., DNA, or RNA. Thus, 260 mg biotin hydrazide was dissolved in 10 mL 0.5M NaHCO3, followed by adding a soln. of bromoacetic anhydride in dioxane at 0.degree., and after 15 min, the formed ppt. was filtered and recrystd. from H2O to give 227.4 mg biotin N-bromoacetylhydrazide. The latter compd. (0.76 g) and 0.31 g 1-ethyl-3-(3-dimethylaminopropyl)carbodiimide were added to 10 mL DMF and the formed ppt. was filtered, washed with Et2O, and dried in vacuo to give 100% I [R1 = Et, R2 = (CH2)3, R3 = R4 = Me, X = Br] (II). A single strand of DNA of M13mp18 (5 .mu.g) was dissolved in .apprx.5 .mu.L 0.1 M boric acid buffer (pH 8.0) and mixed with a soln. of the carbodiimide II (50 .mu.g/.mu.L) in the same buffer (5 .mu.L) and the mixt. was allowed to react at 37.degree. for 2 h. To the reaction mixt. was added 10 .mu.L 5 M AcONH4 buffer and 60 .mu.L EtOH was added to ppt. biotinylated DNA, which was removed by filtration and dissolved in 10 .mu.L H2O. According to the measurement by UV absorption (260 nm), 4.5 .mu.g DNA was recovered. The recovered DNA was dild. to 1-128 pg/.mu.L and each soln. was spotted on a nitro cellulose filter and successively reacted with a streptoavidin-alkali phosphatase conjugate, NBT, and BCIP. The each spot

was detected at least 1 pg/.mu.L by blue coloration. II was also used for non-isotopic labeling of DNA probes in the southern hybridization method.

IT **32897-26-0P**, 1-Ethyl-3-(3-dimethylaminopropyl)urea
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(intermediate for prepn. of carbodiimide-contg. biotin deriv. for non-isotopic labeling of DNA and RNA)
RN 32897-26-0 CAPLUS
CN Urea, N-[3-(dimethylamino)propyl]-N'-ethyl- (9CI) (CA INDEX NAME)

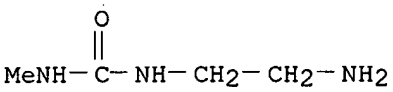
L12 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1995:785100 CAPLUS
DOCUMENT NUMBER: 123:193056
TITLE: Non-specific reaction suppressor for immunoassays
INVENTOR(S): Ito, Michio; Sugawa, Satoshi; Yanagida, Atsushi
PATENT ASSIGNEE(S): Mitsubishi Chemical Corp., Japan
SOURCE: Eur. Pat. Appl., 20 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 667529	A2	19950816	EP 1995-101638	19950207
EP 667529	A3	19960124		
R: DE, FR, GB, IT				
US 5506151	A	19960409	US 1994-194475	19940209
CN 1111016	A	19951101	CN 1995-102794	19950208
JP 07253430	A2	19951003	JP 1995-22072	19950209

PRIORITY APPLN. INFO.: US 1994-194475 19940209
OTHER SOURCE(S): MARPAT 123:193056

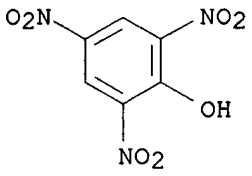
AB Disclosed is a non-specific reaction suppressor for immunoassays having the formula: R1R2N(CHY)m(X)n(CHY)pR3, where R1, R2 = C1-5 alkyl; X = -NHCONH-, -NHCSNH-, etc; Y = H, OH, or halogen; and R3 = NH2, NR1R2, cyclohexyl, or H; m = 0-5; p = 0-5; and n = 0 or 1. Also disclosed is a immunoassay uses latex particle-immobilized immunoreactant and nonspecific reaction suppressor, e.g. 1-ethyl-3-(3-dimethyl-aminopropyl)urea, 1-cyclohexyl-3-3(2-morpholinoethyl)urea metho-p-toluenesulfone, dimethylamine, etc. In example, latex-immobilized digoxin, anti-digoxin antibody reagent compn., and EDU contg. 1-ethyl3-(3-dimethylaminopropyl)-carbodiimide HCl were prepd. and tested.

IT **32897-26-0**, 1-Ethyl3-(3-dimethylaminopropyl)urea
RL: MOA (Modifier or additive use); USES (Uses)
(immunoassay uses latex particle-immobilized immunoreactant and nonspecific reaction suppressor)
RN 32897-26-0 CAPLUS



CM 2

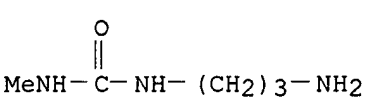
CRN 88-89-1
CMF C6 H3 N3 O7



L23 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1978:590538 CAPLUS
DOCUMENT NUMBER: 89:190538
TITLE: Method for the photometric determination of N-monosubstituted carbamates
AUTHOR(S): Schoene, K.; Steinhanses, J.
CORPORATE SOURCE: Inst. Aerobiol., Fraunhofer-Ges., Schmallenberg, Ger.
SOURCE: Fresenius' Z. Anal. Chem. (1978), 292(1), 29-33
CODEN: ZACFAU; ISSN: 0016-1152
DOCUMENT TYPE: Journal
LANGUAGE: German

AB N-monosubstituted carbamates were converted to urea derivs. by reaction with 1,3-diaminopropane in the presence of small amts. of NaOH. The urea derivs. were detd. spectrophotometrically at 577 nm by using the carbamide reaction described by W. R. Fearon (1939). The detection limit for N-methylcarbamates is in the range of 20 nmols. In the case of N-methylcarbamates, N-methyl-N'-(3-aminopropyl)urea was found to be the intermediate urea deriv., which is formed in nearly quant. yield. The amidation reaction mechanism of the N-methylcarbamates was studied on N-methylurethane.

IT **68156-37-6P**
RL: ANST (Analytical study); PREP (Preparation)
(prepn. of)
RN 68156-37-6 CAPLUS
CN Urea, N-(3-aminopropyl)-N'-methyl- (9CI) (CA INDEX NAME)



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     FILE 'REGISTRY' ENTERED AT 10:38:44 ON 01 JUN 2001
L1             STRUCTURE UPLOADED
L2          50 S L1
L3       36270 S L1 FULL
L4             STRUCTURE UPLOADED
L5       14060 S L4 FULL SUB=L3
L6        5399 S L5 AND 3/N
L7         734 S ETHYL(L)DIMETHYL(L)AMINO(L)PROPYL(L)UREA
L8           0 S UREA, "N-ETHYL-N'-(3-DIMETHYLAMINOPROPYL)-"
L9           4 S ETHYL(L)DIMETHYLAMINOPROPYL(L)UREA
L10          3 S L9 AND 1/NC
L11          1 S L10 AND 1/O

     FILE 'CAPLUS' ENTERED AT 10:52:57 ON 01 JUN 2001
L12         15 S L11
L13          2 S L11/THU

     FILE 'USPATFULL' ENTERED AT 10:55:19 ON 01 JUN 2001
L14          2 S L11

     FILE 'MARPAT' ENTERED AT 10:56:49 ON 01 JUN 2001
L15          0 S L11
L16          0 S L9

     FILE 'BEILSTEIN' ENTERED AT 10:57:15 ON 01 JUN 2001
L17          1 S L11

     FILE 'REGISTRY' ENTERED AT 10:57:49 ON 01 JUN 2001
L18            STRUCTURE UPLOADED
L19      11247 S L18 FULL SUB=L3
L20         50 S L18
L21          0 S L18 CSS
L22          8 S L18 CSS FULL

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L23          10 S L22

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        375285 THU/RL
L24          0 L22/THU
                 (L22 (L) THU/RL)

=> file uspatful
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
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FULL ESTIMATED COST                                44.43     598.50

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)    SINCE FILE      TOTAL
                                                   ENTRY    SESSION
CA SUBSCRIBER PRICE                                -5.88     -15.88
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TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	Dec 17	The CA Lexicon available in the CAPLUS and CA files
NEWS	3	Feb 06	Engineering Information Encompass files have new names
NEWS	4	Feb 16	TOXLINE no longer being updated
NEWS	5	Apr 23	Search Derwent WPINDEX by chemical structure
NEWS	6	Apr 23	PRE-1967 REFERENCES NOW SEARCHABLE IN CAPLUS AND CA
NEWS	7	May 07	DGENE Reload

NEWS EXPRESS	May 23 CURRENT WINDOWS VERSION IS V6.0a, CURRENT MACINTOSH VERSION IS V5.0C (ENG) AND V5.0JB (JP), AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2001
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NEWS INTER	General Internet Information
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FILE 'HOME' ENTERED AT 10:38:39 ON 01 JUN 2001

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DICTIONARY FILE UPDATES: 30 MAY 2001 HIGHEST RN 339046-06-9

TSCA INFORMATION NOW CURRENT THROUGH January 11, 2001

Please note that search-term pricing does apply when

conducting SmartSELECT searches.

Structure search limits have been increased. See HELP SLIMIT for details.

=>
Uploading 489.str

L1 STRUCTURE UPLOADED

=> s l1
SAMPLE SEARCH INITIATED 10:39:07 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 3038 TO ITERATE

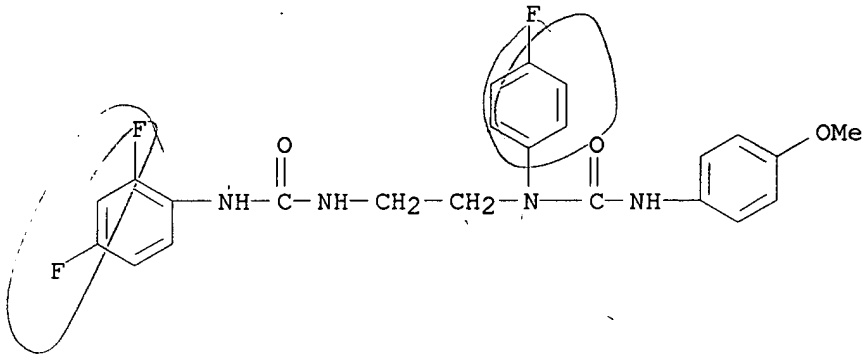
32.9% PROCESSED 1000 ITERATIONS 50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.02

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 57457 TO 64063
PROJECTED ANSWERS: 33720 TO 38826

L2 50 SEA SSS SAM L1

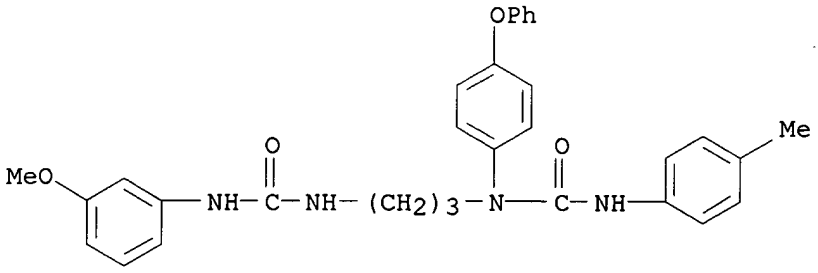
=> d scan

L2 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Urea, N-[2-[[[(2,4-difluorophenyl)amino]carbonyl]amino]ethyl]-N-(4-fluorophenyl)-N'-(4-methoxyphenyl)- (9CI)
MF C23 H21 F3 N4 O3



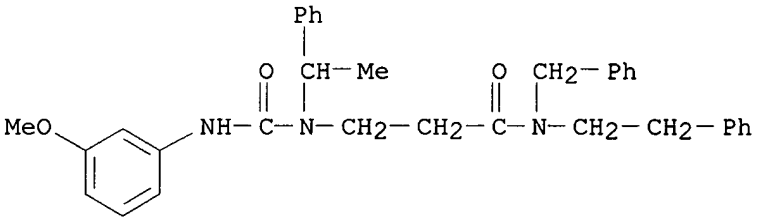
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L2 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Urea, N-[3-[[[(3-methoxyphenyl)amino]carbonyl]amino]propyl]-N'-(4-methylphenyl)-N-(4-phenoxyphenyl)- (9CI)
MF C31 H32 N4 O4



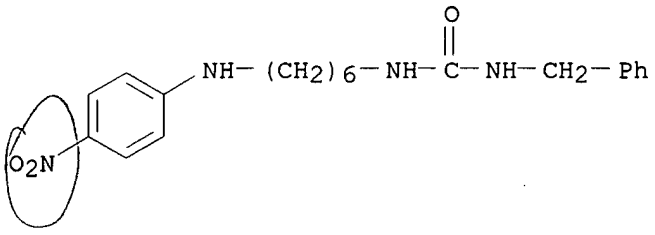
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L2 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Propanamide,
3-[[[(3-methoxyphenyl)amino]carbonyl](1-phenylethyl)amino]-N-(2-phenylethyl)-N-(phenylmethyl)- (9CI)
MF C34 H37 N3 O3



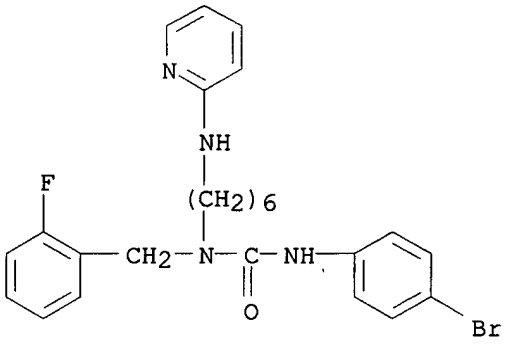
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L2 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Urea, N-[6-[(4-nitrophenyl)amino]hexyl]-N'-(phenylmethyl)- (9CI)
MF C20 H26 N4 O3

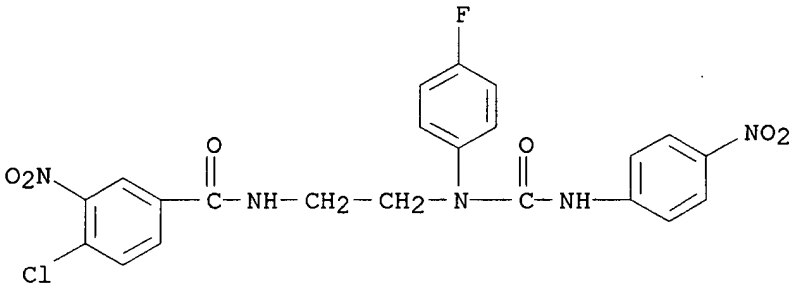


HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):2

L2 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Urea, N'-(4-bromophenyl)-N-[(2-fluorophenyl)methyl]-N-[6-(2-pyridinylamino)hexyl]- (9CI)
MF C25 H28 Br F N4 O



L2 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Benzamide, 4-chloro-N-[2-[(4-fluorophenyl)[[(4-nitrophenyl)amino]carbonyl]amino]ethyl]-3-nitro- (9CI)
MF C22 H17 Cl F N5 O6



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> d his

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FILE 'REGISTRY' ENTERED AT 10:38:44 ON 01 JUN 2001
L1 STRUCTURE UPLOADED
L2 50 S L1

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100.0% PROCESSED 60020 ITERATIONS 36270 ANSWERS
SEARCH TIME: 00.00.08

L3 36270 SEA SSS FUL L1

=>
Uploading 489.str

L4 STRUCTURE UPLOADED

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FULL SUBSET SEARCH INITIATED 10:40:55 FILE 'REGISTRY'
FULL SUBSET SCREEN SEARCH COMPLETED - 32305 TO ITERATE

100.0% PROCESSED 32305 ITERATIONS 14060 ANSWERS
SEARCH TIME: 00.00.04

L5 14060 SEA SUB=L3 SSS FUL L4

=> d scan

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IN INDEX NAME NOT YET ASSIGNED
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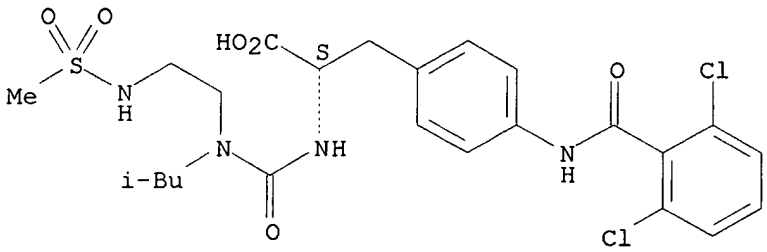
Absolute stereochemistry.

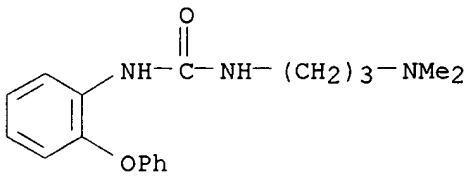


HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> s l5 and 3/n
1884504 3/N
L6 5399 L5 AND 3/N

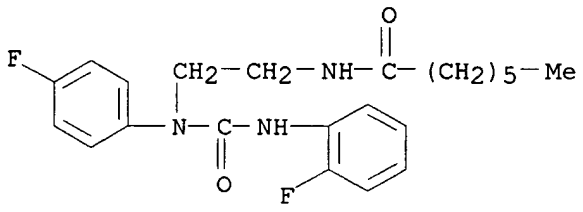
=> d scan

L6 5399 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Urea, N-[3-(dimethylamino)propyl]-N'-(2-phenoxyphenyl)- (9CI)
MF **C18 H23 N3 O2**

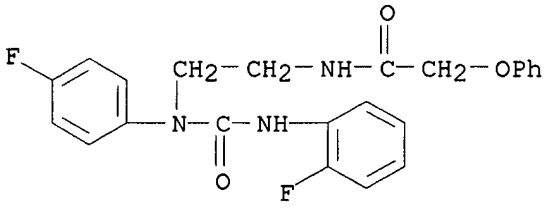


HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):2

L6 5399 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Heptanamide,
N-[2-[(4-fluorophenyl)[[(2-fluorophenyl)amino]carbonyl]amino]
ethyl]- (9CI)
MF **C22 H27 F2 N3 O2**



L6 5399 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Acetamide,
N-[2-[(4-fluorophenyl)[[(2-fluorophenyl)amino]carbonyl]amino]et
hyl]-2-phenoxy- (9CI)
MF **C23 H21 F2 N3 O3**



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       4484821 ETHYL
                 (ETHYL OR ETHYLS)
       2862325 DIMETHYL
             3 DIMETHYLS
       2862325 DIMETHYL
                 (DIMETHYL OR DIMETHYLS)
       3229260 AMINO
          8155 AMINOS
       3229260 AMINO
                 (AMINO OR AMINOS)
       1471974 PROPYL
             4 PROPYLS
       1471974 PROPYL
                 (PROPYL OR PROPYLS)
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             1 UREAS
        162482 UREA
                  (UREA OR UREAS)
L7         734 ETHYL(L)DIMETHYL(L)AMINO(L)PROPYL(L)UREA

=> d scan

L7   734 ANSWERS   REGISTRY  COPYRIGHT 2001 ACS
IN   Urea, N'-(4-chlorophenyl)-N-[3-[[[(1,1-dimethylethyl)amino]carbonyl]a
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MF   C21 H26 Cl F N4 O2
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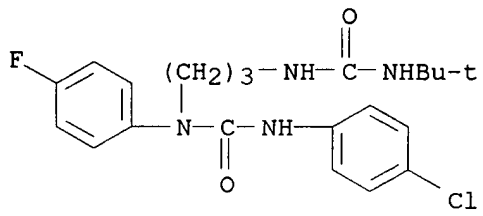


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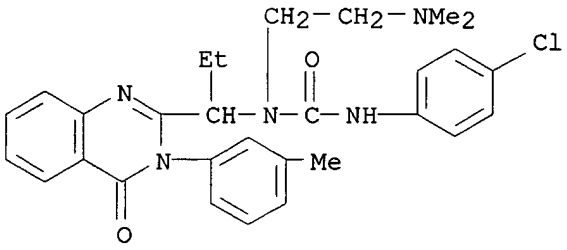
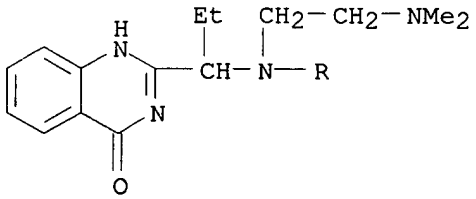
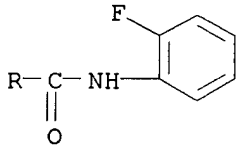
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):5

L7   734 ANSWERS   REGISTRY  COPYRIGHT 2001 ACS
IN   Urea, N'-(4-chlorophenyl)-N-[1-[3,4-dihydro-3-(3-methylphenyl)-4-oxo-
     2-quinazolinyl]propyl]-N-[2-(dimethylamino)ethyl]- (9CI)
MF   C29 H32 Cl N5 O2
```

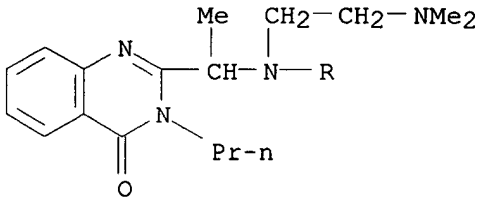


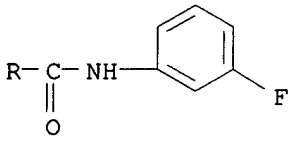

```
L7   734 ANSWERS   REGISTRY  COPYRIGHT 2001 ACS
IN   Urea, N-[1-(1,4-dihydro-4-oxo-2-quinazolinyl)propyl]-N-[2-
     (dimethylamino)ethyl]-N'-(2-fluorophenyl)- (9CI)
MF   C22 H26 F N5 O2
```





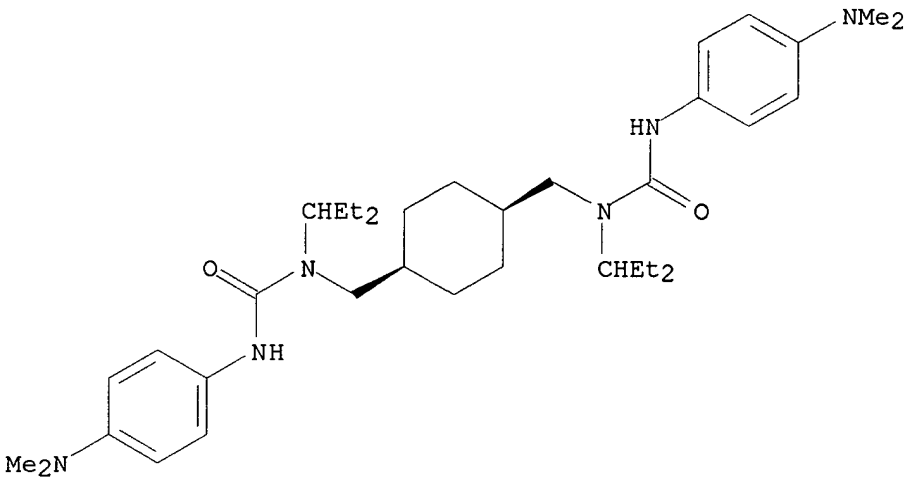
L7 734 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN **Urea, N-[1-(3,4-dihydro-4-oxo-3-propyl-2-quinazolinyl)ethyl]-N-[2-(dimethylamino)ethyl]-N'-(3-fluorophenyl)- (9CI)**
MF C24 H30 F N5 O2





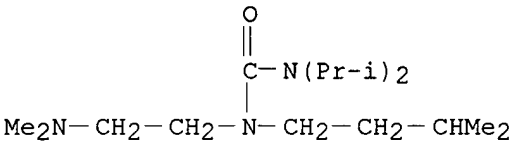
L7 734 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN **Urea, N,N''-[1,4-cyclohexanediylbis(methylene)]bis[N'-[4-(dimethylamino)phenyl]-N-(1-ethylpropyl)-, dihydrochloride, cis- (9CI)**
MF C36 H58 N6 O2 . 2 Cl H

Relative stereochemistry.



● 2 HCl

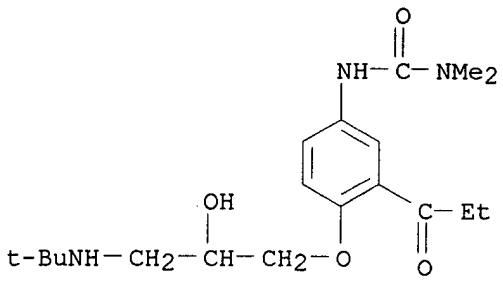
L7 734 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN **Urea, 1-[2-(dimethylamino)ethyl]-1-isopentyl-3,3-diisopropyl- (7CI)**
MF C16 H35 N3 O



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):5

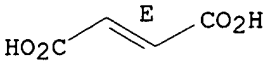
L7 734 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN **Urea, N'-[4-[3-[(1,1-dimethylethyl)amino]-2-hydroxypropoxy]-3-(1-oxopropyl)phenyl]-N,N-dimethyl-, (2E)-2-butenedioate (1:1) (salt) (9CI)**
MF C19 H31 N3 O4 . C4 H4 O4

CM 1

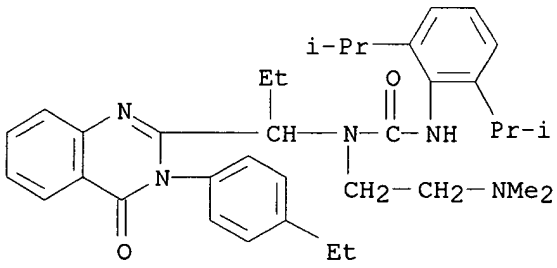


CM 2

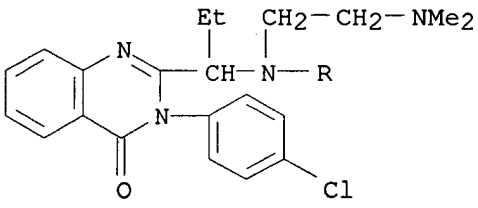
Double bond geometry as shown.

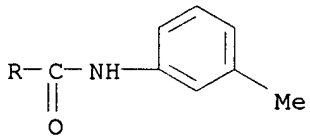


L7 734 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN **Urea, N'-[2,6-bis(1-methylethyl)phenyl]-N-[2-(dimethylamino)ethyl]-N-[1-[3-(4-ethylphenyl)-3,4-dihydro-4-oxo-2-quinazolinyl]propyl]- (9CI)**
MF C36 H47 N5 O2

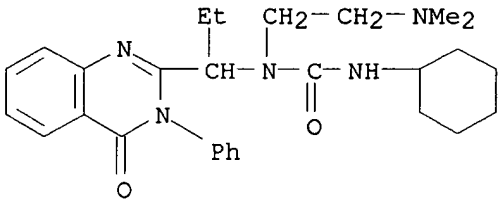


L7 734 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN **Urea, N-[1-[3-(4-chlorophenyl)-3,4-dihydro-4-oxo-2-quinazolinyl]propyl]-N-[2-(dimethylamino)ethyl]-N'-(3-methylphenyl)- (9CI)**
MF C29 H32 Cl N5 O2

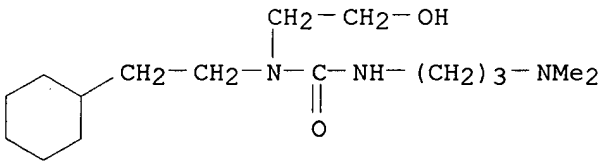




L7 734 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN **Urea, N'-cyclohexyl-N-[1-(3,4-dihydro-4-oxo-3-phenyl-2-quinazolinyl)propyl]-N-[2-(dimethylamino)ethyl]- (9CI)**
MF C28 H37 N5 O2



L7 734 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN **Urea, N-(2-cyclohexylethyl)-N'-[3-(dimethylamino)propyl]-N-(2-hydroxyethyl)- (9CI)**
MF C16 H33 N3 O2



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> s urea, N-ethyl-N'-(3-dimethylaminopropyl)-
MISMATCHED QUOTE 'N-ETHYL-N'-'
Quotation marks (or apostrophes) must be used in pairs,

one before and one after the expression you are setting
off or masking.

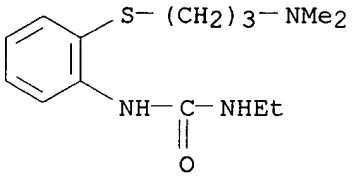
```
=> s urea, "N-ethyl-N'-(3-dimethylaminopropyl)-"
        162482 UREA
             1 UREAS
        162482 UREA
                 (UREA OR UREAS)
       3623758 "N"
       4484821 "ETHYL"
            11 "ETHYLS"
       4484821 "ETHYL"
                 ("ETHYL" OR "ETHYLS")
        529941 "N'"
       9790704 "3"
          1914 "DIMETHYLAMINOPROPYL"
L8           0 UREA, "N-ETHYL-N'-(3-DIMETHYLAMINOPROPYL)-"
                 (UREA(W)"N"(W)"ETHYL"(W)"N'"(W)"3"(W)"DIMETHYLAMINOPROPYL")

=> s ethyl(l)dimethylaminopropyl(l)urea
       4484821 ETHYL
            11 ETHYLS
       4484821 ETHYL
                 (ETHYL OR ETHYLS)
          1914 DIMETHYLAMINOPROPYL
        162482 UREA
             1 UREAS
        162482 UREA
                 (UREA OR UREAS)
L9           4 ETHYL(L)DIMETHYLAMINOPROPYL(L)UREA

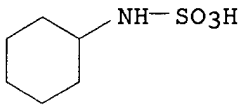
=> d scan

L9   4 ANSWERS   REGISTRY  COPYRIGHT 2001 ACS
IN   Sulfamic acid, cyclohexyl-, compd. with N-[2-[[3-
     (dimethylamino)propyl]thio]phenyl]-N'-ethylurea (1:1) (9CI)
MF   C14 H23 N3 O S . C6 H13 N O3 S

     CM   1
```




```
     CM   2
```

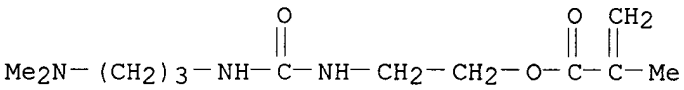


HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

```
=> s l9 and 1/nc
      27444421 1/NC
L10           3 L9 AND 1/NC

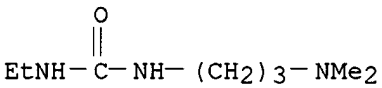
=> d scan

L10  3 ANSWERS   REGISTRY  COPYRIGHT 2001 ACS
IN   2-Propenoic acid, 2-methyl-,
2-[[[[3-(dimethylamino)propyl]amino]carbonyl]
     amino]ethyl ester (9CI)
MF   C12 H23 N3 O3
```

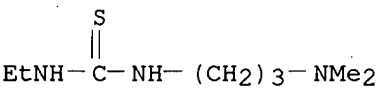


HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):2

```
L10  3 ANSWERS   REGISTRY  COPYRIGHT 2001 ACS
IN   Urea, N-[3-(dimethylamino)propyl]-N'-ethyl- (9CI)
MF   C8 H19 N3 O
CI   COM
```



```
L10  3 ANSWERS   REGISTRY  COPYRIGHT 2001 ACS
IN   Thiourea, N-[3-(dimethylamino)propyl]-N'-ethyl- (9CI)
MF   C8 H19 N3 S
```



ALL ANSWERS HAVE BEEN SCANNED

```
=> s Urea, N-[3-(dimethylamino)propyl]-N'-ethyl-/cn
MISMATCHED QUOTE 'PROPYL]-N'-ETHYL-/CN'
Quotation marks (or apostrophes) must be used in pairs,
one before and one after the expression you are setting
off or masking.

=> s l10 and C8 H19 N3 O
          1563 C8
            67 H19
         57156 N3
       1833420 O
             0 C8 H19 N3 O
                 (C8(W)H19(W)N3(W)O)
L11          0 L10 AND C8 H19 N3 O

=> s C8 H19 N3 O
          1563 C8
            67 H19
         57156 N3
       1833420 O
L12          0 C8 H19 N3 O
                 (C8(W)H19(W)N3(W)O)

=> del l11- y

=> d his

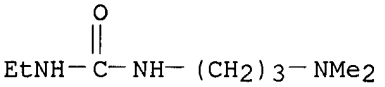
     (FILE 'HOME' ENTERED AT 10:38:39 ON 01 JUN 2001)

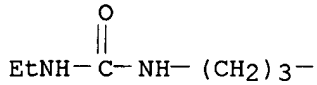
     FILE 'REGISTRY' ENTERED AT 10:38:44 ON 01 JUN 2001
L1               STRUCTURE UPLOADED
L2            50 S L1
L3         36270 S L1 FULL
L4               STRUCTURE UPLOADED
L5         14060 S L4 FULL SUB=L3
L6          5399 S L5 AND 3/N
L7           734 S ETHYL(L)DIMETHYL(L)AMINO(L)PROPYL(L)UREA
L8             0 S UREA, "N-ETHYL-N'-(3-DIMETHYLAMINOPROPYL)-"
L9             4 S ETHYL(L)DIMETHYLAMINOPROPYL(L)UREA
L10            3 S L9 AND 1/NC

=> s l10 and 1/o
       2846307 1/O
L11          1 L10 AND 1/O

=> d scan

L11  1 ANSWERS   REGISTRY  COPYRIGHT 2001 ACS
IN   Urea, N-[3-(dimethylamino)propyl]-N'-ethyl- (9CI)
MF   C8 H19 N3 O
CI   COM
```





ALL ANSWERS HAVE BEEN SCANNED

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	267.19	267.34

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FILE COVERS 1947 - 1 Jun 2001 VOL 134 ISS 23
FILE LAST UPDATED: 30 May 2001 (20010530/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REGlstRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

CAplus now provides online access to patents and literature covered in CA from 1947 to the present. On April 22, 2001, bibliographic information and abstracts were added for over 2.2 million references published in CA from 1947 to 1966.

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=> d his

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FILE 'REGISTRY' ENTERED AT 10:38:44 ON 01 JUN 2001
L1 STRUCTURE UPLOADED
L2 50 S L1

```
L3        36270 S L1 FULL
L4              STRUCTURE UPLOADED
L5        14060 S L4 FULL SUB=L3
L6         5399 S L5 AND 3/N
L7          734 S ETHYL(L)DIMETHYL(L)AMINO(L)PROPYL(L)UREA
L8            0 S UREA, "N-ETHYL-N'-(3-DIMETHYLAMINOPROPYL)-"
L9            4 S ETHYL(L)DIMETHYLAMINOPROPYL(L)UREA
L10           3 S L9 AND 1/NC
L11           1 S L10 AND 1/O

     FILE 'CAPLUS' ENTERED AT 10:52:57 ON 01 JUN 2001

=> s l11
L12          15 L11

=> d ibib ab hitstr 1-15

L12  ANSWER 1 OF 15  CAPLUS  COPYRIGHT 2001 ACS
ACCESSION NUMBER:         2001:338479  CAPLUS
TITLE:                    Preparation of amides and ureas as activators of
                          soluble guanylate cyclase
INVENTOR(S):              Selwood, David; Glen, Robert; Reynolds, Karen;
                          Wishart, Grant
PATENT ASSIGNEE(S):       University College London, UK
SOURCE:                   PCT Int. Appl., 101 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.        KIND  DATE           APPLICATION NO.  DATE
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     WO 2001032604      A1   20010510       WO 2000-GB4249   20001106
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
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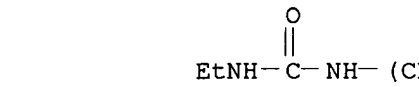
             HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
             LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
             SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
             YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
             BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
PRIORITY APPLN. INFO.:                   GB 1999-26286    A  19991105
                                         US 2000-201382   P  20000502
AB   The title compds. R4PZNR1R2 [I; R1, R2 = alkyl; R1R2 together form
     alkylene; Z = alkylene; P = a direct bond, X, Y, W, XY, YW, XYW (wherein
W
     = O, S, NR3; R3 = H, alkyl; Y = UV; V = a direct bond, alkylene; U = CS,
     CO, SO2, C(:NR); R = H, OH, alkyl; X = O, NR6; R6 = H, alkyl, alkenyl,
     etc.); R4 = alkyl, alkenyl, alkynyl, etc.], useful in the activation of
     sol. guanylate cyclase, were prepd.  E.g., synthesis of the urea II,
     starting with 4-bromoaniline and 1-(3-aminopropyl)pyrrolidine, was given.
     Biol. data for compds. I (e.g., IC50 for inhibition of platelet
     aggregation) were presented.
IT   32897-26-0P
```

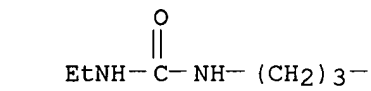
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of amides and ureas as activators of sol. guanylate cyclase)
RN 32897-26-0 CAPLUS
CN Urea, N-[3-(dimethylamino)propyl]-N'-ethyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 24
REFERENCE(S):
(8) Catanese, B; BOLLETTINO CHIMICO FARMACEUTICO 1986, V125(7), P228 CAPLUS
(9) Farbenfabriken Bayer Ag; DE 890958 C CAPLUS
(10) Glen, R; WO 0027394 A 2000 CAPLUS
(12) Hoechst Marion Roussel de Gmbh; EP 0908456 A 1999 CAPLUS
(13) Hoechst Marion Roussel de Gmbh; DE 19756388 A 1999 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 2 OF 15 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 2000:852726 CAPLUS
DOCUMENT NUMBER: 134:243293
TITLE: A cyclohexane-1,2-diyldinitrilotetraacetate tetrahydroxamate derivative for actinide complexation: synthesis and complexation studies
AUTHOR(S): Santos, M. Amelia; Rodrigues, Estela; Gaspar, Margarida
CORPORATE SOURCE: Centro de Quimica Estrutural, Complexo I, Instituto Superior Tecnico, Lisbon, 1049-001, Port.
SOURCE: Dalton (2000), (23), 4398-4402
CODEN: DALTFG
PUBLISHER: Royal Society of Chemistry
DOCUMENT TYPE: Journal
LANGUAGE: English
AB A new tetrahydroxamate ligand has been synthesized and its chelating properties studied, in aq. solns., with thorium(IV) and iron(III) as analogs of the actinides plutonium(IV) and (to some extent) americium(III). The architecture of this ligand is based on that of the cyclohexane-1,2-diyldinitrilotetraacetate complexon with hydroxamate instead of carboxylate groups. It has proven to form quite stable and water sol. complexes with these metal ions, up to pH 9. Besides the 1:1 (M:L) monomeric species formed under acidic conditions, the corresponding (2:2) dimeric complexes may also be admitted under physiol. conditions. According to the magnetic properties and modeling calcns., the iron(III) dimer species should have some magnetic interaction between the metallic centers.
IT **32897-26-0**
RL: RCT (Reactant)

(starting material in prepn. of cyclohexane-1,2-diyldinitrilotetra(N-methylacetohydroxamic acid))
RN 32897-26-0 CAPLUS
CN Urea, N-[3-(dimethylamino)propyl]-N'-ethyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 37
REFERENCE(S):
(4) Bouby, M; J Alloys Comp 1998, V271-273, P206 CAPLUS
(5) Carrano, C; J Am Chem Soc 1979, V101, P599 CAPLUS
(6) Dasaradhi, L; J Chem Soc, Perkin Trans 2 1997, P1187 CAPLUS
(8) Esteves, M; J Chem Soc, Dalton Trans 1995, P2565 CAPLUS
(9) Evans, D; J Chem Soc 1959, P2003 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 3 OF 15 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 2000:725451 CAPLUS
DOCUMENT NUMBER: 133:286497
TITLE: Immunomodulatory compositions and methods of use thereof
INVENTOR(S): Onderdonk, Andrew B.; Tzianabos, Arthur O.; Miller, Robert J.; Calias, Pericles
PATENT ASSIGNEE(S): Genzyme Corporations, USA
SOURCE: PCT Int. Appl., 62 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000059490	A2	20001012	WO 2000-US9087	20000406
WO 2000059490	A3	20010215		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 1999-128177 P 19990406
OTHER SOURCE(S): MARPAT 133:286497
AB The invention relates to immunomodulatory compns. and related methods. The immunomodulatory compns. are useful for the prevention of sepsis and the treatment and prevention of diseases assocd. with inflammation and/or NOS. CM-cellulose/N-ethyl-N'-(3-dimethylaminopropyl)urea formulations are

described.

IT **32897-26-0**
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(immunomodulatory compns.)

RN 32897-26-0 CAPLUS

CN Urea, N-[3-(dimethylamino)propyl]-N'-ethyl- (9CI) (CA INDEX NAME)

L12 ANSWER 4 OF 15 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 2000:368150 CAPLUS

DOCUMENT NUMBER: 133:12765

TITLE: Preventives and/or remedies for central nervous system diseases containing compounds having TXA2 receptor antagonism and/or TXA2 synthase inhibitory effect

INVENTOR(S): Yagami, Tatsuro; Honma, Tsunetoshi; Katsuura, Goro

PATENT ASSIGNEE(S): Shionogi & Co., Ltd., Japan

SOURCE: PCT Int. Appl., 171 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000030683	A1	20000602	WO 1999-JP6317	19991112

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: JP 1998-329862 A 19981119

AB Compds. having TXA2 antagonism and/or a TXA2 synthase inhibitory effect, prodrugs thereof, pharmaceutically acceptable salts of the same or hydrates of the same, which show effects of inhibiting nerve cell denaturation caused by amyloid .beta. protein and nerve cell death caused by axonotmesis, are useful as preventives and/or remedies for central nervous system diseases, preventives and/or remedies for nerve degeneration diseases, nerve cell denaturation inhibitors, amyloid .beta. protein-induced nerve cell denaturation inhibitors, nerve cell death inhibitors, axonotmesis-induced nerve cell death inhibitors and, in particular, preventives and/or remedies for dementia of Alzheimer type.

IT **32897-26-0**
RL: RCT (Reactant)
(preventives and/or remedies for central nervous system diseases

contg.

compds. having TXA2 receptor antagonism and/or TXA2 synthase inhibitory
effect)
RN 32897-26-0 CAPLUS
CN Urea, N-[3-(dimethylamino)propyl]-N'-ethyl- (9CI) (CA INDEX NAME)

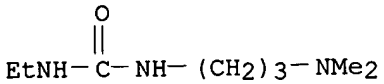
REFERENCE COUNT: 16
REFERENCE(S): (1) Arimura, A; Br J Pharmacol 1998, V124, P795 CAPLUS
(2) Dickinson, R; Bioorg Med Chem Lett 1996, V6(14), P1691 CAPLUS
(3) Hall, S; Med Res Rev 1991, V11(5), P503 CAPLUS
(6) Shionogi & Co Ltd; GB 2184118 A CAPLUS
(7) Shionogi & Co Ltd; US 4960909 A CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 5 OF 15 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 2000:277959 CAPLUS
DOCUMENT NUMBER: 132:321662
TITLE: Preparation of aromatic amine derivatives and agents containing the same
INVENTOR(S): Oi, Satoru; Suzuki, Nobuhiro; Aso, Kazuyoshi; Banno, Yoshihiro
PATENT ASSIGNEE(S): Takeda Chemical Industries, Ltd., Japan
SOURCE: PCT Int. Appl., 309 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000023420	A1	20000427	WO 1999-JP5755	19991019
W: AE, AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CR, CU, CZ, DM, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LV, MA, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9961246	A1	20000508	AU 1999-61246	19991019
JP 2000191615	A2	20000711	JP 1999-297129	19991019

PRIORITY APPLN. INFO.: JP 1998-298940 A 19981020
WO 1999-JP5755 W 19991019
OTHER SOURCE(S): MARPAT 132:321662
AB Title compds. [I; wherein A is an optionally substituted arom. ring; B is an optionally substituted cyclic hydrocarbon oxy group; Z is an optionally

CN Urea, N-[3-(dimethylamino)propyl]-N'-ethyl- (9CI) (CA INDEX NAME)



L12 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1995:294129 CAPLUS
DOCUMENT NUMBER: 122:290591
TITLE: Preparation of carbodiimide-containing biotin derivatives as reagents for detecting point mutation of gene and diagnosis of hereditary disease
INVENTOR(S): Yamamoto, Isamu; Mukai, Tsunehiro
PATENT ASSIGNEE(S): Yamamoto Isamu, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06271581	A2	19940927	JP 1993-80196	19930315

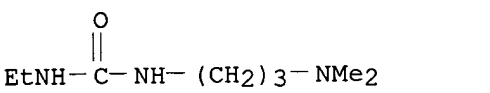
OTHER SOURCE(S): MARPAT 122:290591

AB The title biotin derivs. (I; R1 = C1-6 alkyl, cycloalkyl; R2 = C1-6 alkylene; R3, R4 = C1-3 alkyl; X = halogen ion), suitable for chem. modification of genes, are prepd. The presence and position of point mutation in a gene is detd. by (1) mixing for hybridization each complimentary single strand of a normal gene and its corresponding gene assuming the presence of point mutations, (2) reacting the above biotin deriv. I, (3) adsorbing the biotin deriv.-bonded DNA to a agarose column contg. avidin or its analog, (3) eluting the column with a soln. of biotin, and (5) detg. the base sequence of the isolated DNA fragment. Diagnosis of a hereditary disease involves (1) mixing for hybridization each complimentary single strand of a normal gene and its corresponding gene assuming the presence of point mutation, (2) reacting the above biotin deriv. I, and (3) detecting the biotin deriv.-bonded DNA by luminescence or fluorescence using avidin or its analog, which confirms the presence of gene point mutations. Both complimentary single strands of a normal gene and its corresponding gene assuming the presence of point mutation are obtained by cutting genes with a restriction enzyme. The avidin deriv. is a streptoavidin-alkali phosphatase conjugate. These carbodiimide-contg. biotin derivs. I react with guanine (G) or thymine (T) of a double stranded DNA having G-T or T-G mismatching. Thus, 260 mg biotin hydrazide was dissolved in 0.5 M NaHCO3 followed by adding a soln. of 520 mg bromoacetic anhydride in dioxane at 0.degree., filtering off the pptd. crystals after 15 min, and recrystn. from H2O to give 227.4 mg N-biotinyl-N'-bromoacetylhydrazine which was stirred with 1-cyclohexyl-3-(3-dimethylaminopropyl)carbodiimide in DMF to give 97%

title compd. I [R1 = cyclohexyl, R2 = (CH2)3, R3 = R4 = Me, X- = Br-] (II). Aldolase genes were cut out from both plasmid pHAA47 contg. normal A-type aldolase gene and plasmid pHAdA526 contg. A-type aldolase gene from a hemolytic anemia patent but lacking erythrocyte aldolase activity by restriction enzyme Xab and HindIII, resp., sepd. by a agarose electrophoresis, and each digested by restriction enzyme Rsal into 3 DNA. Both digested genes were heated in a hybridization buffer at 100.degree. for 10 min and left to stand at 42.degree. overnight followed by adjusting the pH to 8.5 and reacting with II at 30.degree. for 30 min. DNA's were sepd. by pptn. with EtOH, dissolved in H2O, and passed to a avidin agarose column followed by eluting the column with 1 mM aq. biotin to sep. II-bonded DNA. As expected, the 411 bp fragment was recovered and confirmed to contain a mutation with the 386th adenine replaced with guanine in the patient lacking aldolase activity.

IT **32897-26-0P**, 1-Ethyl-3-(3-dimethylaminopropyl)urea
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(intermediate for prepn. of carbodiimide-contg. biotin derivs. as reagents for detecting gene point mutation and diagnosis of hereditary disease)

RN 32897-26-0 CAPLUS
CN Urea, N-[3-(dimethylamino)propyl]-N'-ethyl- (9CI) (CA INDEX NAME)



L12 ANSWER 10 OF 15 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1992:489833 CAPLUS
DOCUMENT NUMBER: 117:89833
TITLE: Preparation of water-soluble 1-ethyl-3-(3-dimethylaminopropyl)carbodiimide
INVENTOR(S): Yoneyama, Takahiro; Odagiri, Masaki; Imanari, Makoto
PATENT ASSIGNEE(S): Keishitsu Ryubun Shinyoto Kaihatsu Gijutsu Kankyu Kumiai, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 3 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 04077464	A2	19920311	JP 1990-189414	19900719
US 5208378	A	19930504	US 1991-732123	19910718

PRIORITY APPLN. INFO.: JP 1990-189414 19900719
OTHER SOURCE(S): CASREACT 117:89833

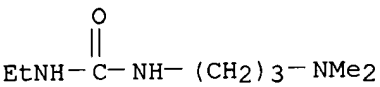
AB The title compd. (I) is prepd. by addn. reaction of EtNCS and N,N-dimethyl-1,3-propanediamine (II) in arom. hydrocarbon, then treatment of the obtained thiourea deriv. with dehydrosulfurization agents without

isolation from the reaction mixt. A soln. of EtNCS in PhMe was teated dropwise with a soln. of II in PhMe under ice cooling over 2 h, stirred at room temp. for 2 h, then treated with Pb3O4 for 3 h under reflux to give 64% I.

IT **32897-26-0P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and dehydrosulfurization of)

RN 32897-26-0 CAPLUS

CN Urea, N-[3-(dimethylamino)propyl]-N'-ethyl- (9CI) (CA INDEX NAME)



L12 ANSWER 11 OF 15 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1988:163694 CAPLUS

DOCUMENT NUMBER: 108:163694

TITLE: Isolation and purification of proteolytic enzymes on organo-silica supports with immobilized gramicidin S

AUTHOR(S): Ignatchenko, A. P.; Bogomaz, V. I.; Tugai, V. A.; Chuiko, A. A.

CORPORATE SOURCE: A. V. Palladin Inst. Biochem., Kiev, USSR

SOURCE: Ukr. Biokhim. Zh. (1987), 59(6), 28-33
CODEN: UBZHD4; ISSN: 0201-8470

DOCUMENT TYPE: Journal

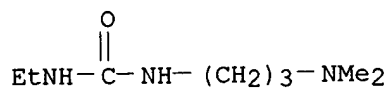
LANGUAGE: Russian

AB Biospecific sorbents for affinity chromatog. of proteolytic enzymes were synthesized by attaching the cyclopeptide antibiotic gramicidin S to organo-silica supports. Gramicidin S was attached to the organo-silica supports using glutaric aldehyde, p-benzoquinone, sol. and insol. carbodiimides. The sorbents prepd. by these methods were successfully applied for the purifn. of the crude pepsin from horse gastric juice and proteolytic complex produced by Acremonium chrysogenum.

IT **32897-26-0**
RL: RCT (Reactant)
(crosslinking by, of gramicidin S to organo-silica supports, for proteinase purifn.)

RN 32897-26-0 CAPLUS

CN Urea, N-[3-(dimethylamino)propyl]-N'-ethyl- (9CI) (CA INDEX NAME)



L12 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1987:9247 CAPLUS

DOCUMENT NUMBER: 106:9247

TITLE: Analytical, toxicological and immunological consequences of the use of N-ethyl-N'-(3-

dimethylaminopropyl)carbodiimide as coupling reagent for the preparation of meningococcal group C polysaccharide-tetanus toxoid conjugate as vaccine for human use

AUTHOR(S): Beuvery, E. C.; Speijers, G. J. A.; Lutz, B. I. G.; Freudenthal, D.; Kanhai, V.; Haagmans, B.; Derks, H. J. G. M.

CORPORATE SOURCE: Rijksinst. Volksgezond. Milieuhyg., Bilthoven, 3720, Neth.

SOURCE: Dev. Biol. Stand. (1986), 63(Use Stand. Chem. Defined Antigens), 117-28
CODEN: DVBSA3; ISSN: 0301-5149

DOCUMENT TYPE: Journal

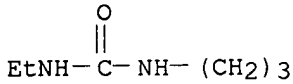
LANGUAGE: English

AB For the prepn. of meningococcal group C polysaccharide-tetanus toxoid conjugate the reactive reagent N-ethyl-N'-(dimethylaminopropyl)carbodiimide is used. The application of this reagent results in a no. of stable linkages (viz. "peptide" linkages between the polysaccharide and tetanus toxoid, intrachain ester linkages in the polysaccharide component and binding of the N-acylurea deriv. of the reagent) and less stable ones (viz. anhydride linkages). As a consequence of the reaction, the reagent is converted to a nonreactive urea deriv. The toxic properties of the reagent and of the converted reagent were studied. These properties do not contraindicate the use of the coupling reagent for the prepn. of vaccines for human use. In addn. anal. methods were developed for the quant. evaluation of the coupling reagent, the reaction products and for the N-acylurea deriv. of the reagent and of the residual reactivity of conjugates for primary aminogroups. Although no test was performed for the assay of ester linkages in the polysaccharide component of the conjugate, evidence is presented that such linkages may be present. The results of the test for residual reactivity indicated a spontaneous rearrangement of linkages after the prepn. of the conjugate. In addn. the effect of the ratio of coupling reagent-to-polysaccharide and tetanus toxoid on antigenic and immunogenic activities of the conjugate was studied. An increase of the ratio resulted in a decrease of the antigenic activity of the polysaccharide component but in an increase of its immunogenic activity as to the induction of IgG antibodies to the polysaccharide. The immunogenic activity of the polysaccharide component correlated rather well with the antigenic activity measured in heterologous enzyme-linked immunosorbent assay using antibodies to both components.

IT **32897-26-0P**
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and toxicity of)

RN 32897-26-0 CAPLUS

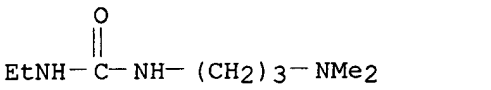
CN Urea, N-[3-(dimethylamino)propyl]-N'-ethyl- (9CI) (CA INDEX NAME)



L12 ANSWER 13 OF 15 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1984:34771 CAPLUS
DOCUMENT NUMBER: 100:34771
TITLE: Synthesis of phosphoramidates of mono- and oligonucleotides in aqueous media
AUTHOR(S): Gottikh, M. B.; Ivanovskaya, M. G.; Shabarova, Z. A.
CORPORATE SOURCE: Chem. Dep., M. V. Lomonosov Moscow State Univ., Moscow, USSR
SOURCE: Bioorg. Khim. (1983), 9(8), 1063-7
CODEN: BIKHD7
DOCUMENT TYPE: Journal
LANGUAGE: Russian

AB Phosphoramidates of mono- and oligonucleotides were prepd. in 85-100% yields in aq. media by condensation of nucleotide component with any primary or secondary amine in the presence of EtC:N:C(CH2)3NMe2 (I) at a pH of 1 unit less than pKa value of the reacting amine, 0.5-4 h for amines with pKa < 8 in 4-20 h for amines with pKa > 8. Thus, condensation of 20 mmol pdT with 3 mmol PhNH2 at pH 3.5 for 5 min in the presence of 0.5 mol I gave 100% of the corresponding phosphoramidate.

IT **32897-26-0**
RL: RCT (Reactant)
(condensation of mono- and oligonucleotides with primary and secondary amines in presence of)
RN 32897-26-0 CAPLUS
CN Urea, N-[3-(dimethylamino)propyl]-N'-ethyl- (9CI) (CA INDEX NAME)



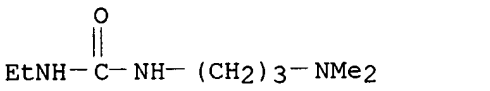
L12 ANSWER 14 OF 15 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1983:71187 CAPLUS
DOCUMENT NUMBER: 98:71187
TITLE: Direct spectrophotometric observation of an O-acylisourea intermediate: concerted general acid catalysis in the reaction of acetate ion with a water-soluble carbodiimide
AUTHOR(S): Ibrahim, Ibrahim T.; Williams, Andrew
CORPORATE SOURCE: Chem. Lab., Univ. Kent, Canterbury, CT2 7NZ, UK
SOURCE: J. Chem. Soc., Perkin Trans. 2 (1982), (11), 1459-66
CODEN: JCPKBH; ISSN: 0300-9580
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Rate consts. for the formation and decompn. of intermediate O-acylisoureas from carbodiimide and carboxylic acids were measured in aq. media. The O-acetylisourea from AcO- and N-ethyl-N'-[3-(trimethylammonio)propyl]carbo diimide (I) has an acidic group of pK 6.8, and decomps. in its acid form as the dication by reaction with AcO- or H2O. Reaction of the carboxylate

anion with I is general-acid catalyzed, and the D2O solvent isotope effect
indicates a rate-detg. proton transfer except for the oxonium ion acting as acid. A mechanism involving proton transfer concerted with nucleophilic attack by AcO- is consistent with the weak basicity of the isourea adduct. The 3rd-order term involving HOAc, AcO- and carbodiimide carries .apprx.60% of the total reaction flux at pH 6.80 and 1 M total HOAc buffer concn. At this pH .apprx.40% of the reaction flux proceeds via a stepwise mechanism with specific acid catalysis. Intramol. general-acid catalysis occurs in the reaction of HO2CCEt2CO2- with I, and the effective molarity compared with intermol. catalysis is 15 M. Attack of carboxylate anions on I with N-(chloroethyl)morpholinium ion as the general acid has a Broensted-type .beta.N of 0.46.

IT **32897-26-0**
RL: RCT (Reactant)
(reaction of, with phenethyl tosylate)

RN 32897-26-0 CAPLUS
CN Urea, N-[3-(dimethylamino)propyl]-N'-ethyl- (9CI) (CA INDEX NAME)



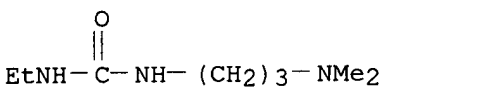
L12 ANSWER 15 OF 15 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1981:135598 CAPLUS
DOCUMENT NUMBER: 94:135598
TITLE: New immunochemical-glass conjugates
INVENTOR(S): Sugiura, Masakazu; Kikutake, Junichiro; Yoshida, Masaru; Kondo, Shigeharu
PATENT ASSIGNEE(S): Sanyo Chemical Industries, Ltd., Japan
SOURCE: Fr. Demande, 30 pp.
CODEN: FRXXBL
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2435715	A1	19800404	FR 1979-2447	19790131
FR 2435715	B1	19830708		

AB A method is described for the prepn. of a conjugate between a substance with immunol. activity (antigen or antibody) and frosted glass by using a silane coupling agent and, if necessary, a crosslinking agent. The frosted glass is reacted with a silane coupling agent which has an alkoxy silyl or halo silyl group which can react with a silanol group, as well as
a functional group (carboxyl, epoxy, aldehyde, etc.) which can react with amino, carboxyl, or thiol groups. The product is then reacted with the antigen or antibody in the presence of a crosslinking agent, when necessary. The crosslinking agent is an aliph. dialdehyde, a dichlorotriazine, a dimaleimide, or a maleimidocarboxyl-N-hydroxysuccinimide ester and can cause crosslinking between the amino,

carboxyl, or thiol groups of the silane and corresponding groups of the antigen or antibody. The antigen can be a hormone, protein, or an antigenic component of a pathogenic bacterium or virus or protozoan. Thus, ground-glass tubes were incubated with a soln. of 0.5% .gamma.-aminopropyl-triethoxysilane in Me2CO, followed by incubation at 37.degree. for 2 h with a soln. contg. IgG and N-ethyl-N'-dimethylaminopropylcarbodiimide. Unconjugated proteins were washed out, and 63 .mu.g protein was fixed per g of glass. Glass beads can also be used, as for the detn. of insulin and .alpha.-fetoproteins by sandwich enzyme immunoassay.

IT **32897-26-0**
RL: ANST (Analytical study)
(in IgG immobilization on glass for immunoassay)
RN 32897-26-0 CAPLUS
CN Urea, N-[3-(dimethylamino)propyl]-N'-ethyl- (9CI) (CA INDEX NAME)



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L5 14060 S L4 FULL SUB=L3
L6 5399 S L5 AND 3/N
L7 734 S ETHYL(L)DIMETHYL(L)AMINO(L)PROPYL(L)UREA
L8 0 S UREA, "N-ETHYL-N'-(3-DIMETHYLAMINOPROPYL)-"
L9 4 S ETHYL(L)DIMETHYLAMINOPROPYL(L)UREA
L10 3 S L9 AND 1/NC
L11 1 S L10 AND 1/O

FILE 'CAPLUS' ENTERED AT 10:52:57 ON 01 JUN 2001
L12 15 S L11

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(L11 (L) THU/RL)

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L13 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 2001:338479 CAPLUS
TITLE: Preparation of amides and ureas as activators of soluble guanylate cyclase

INVENTOR(S): Selwood, David; Glen, Robert; Reynolds, Karen; Wishart, Grant
PATENT ASSIGNEE(S): University College London, UK
SOURCE: PCT Int. Appl., 101 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001032604	A1	20010510	WO 2000-GB4249	20001106

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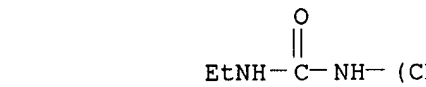
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: GB 1999-26286 A 19991105
US 2000-201382 P 20000502

AB The title compds. R4PZNR1R2 [I; R1, R2 = alkyl; R1R2 together form alkylene; Z = alkylene; P = a direct bond, X, Y, W, XY, YW, XYW (wherein W = O, S, NR3; R3 = H, alkyl; Y = UV; V = a direct bond, alkylene; U = CS, CO, SO2, C(:NR); R = H, OH, alkyl; X = O, NR6; R6 = H, alkyl, alkenyl, etc.); R4 = alkyl, alkenyl, alkynyl, etc.], useful in the activation of sol. guanylate cyclase, were prepd. E.g., synthesis of the urea II, starting with 4-bromoaniline and 1-(3-aminopropyl)pyrrolidine, was given. Biol. data for compds. I (e.g., IC50 for inhibition of platelet aggregation) were presented.

IT **32897-26-0P**
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); **THU (Therapeutic use)**; BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of amides and ureas as activators of sol. guanylate cyclase)

RN 32897-26-0 CAPLUS
CN Urea, N-[3-(dimethylamino)propyl]-N'-ethyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 24
REFERENCE(S):
(8) Catanese, B; BOLLETTINO CHIMICO FARMACEUTICO 1986, V125(7), P228 CAPLUS
(9) Farbenfabriken Bayer Ag; DE 890958 C CAPLUS
(10) Glen, R; WO 0027394 A 2000 CAPLUS
(12) Hoechst Marion Roussel de Gmbh; EP 0908456 A 1999

CAPLUS
(13) Hoechst Marion Roussel de Gmbh; DE 19756388 A 1999 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 2000:725451 CAPLUS
DOCUMENT NUMBER: 133:286497
TITLE: Immunomodulatory compositions and methods of use thereof
INVENTOR(S): Onderdonk, Andrew B.; Tzianabos, Arthur O.; Miller, Robert J.; Calias, Pericles
PATENT ASSIGNEE(S): Genzyme Corporations, USA
SOURCE: PCT Int. Appl., 62 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

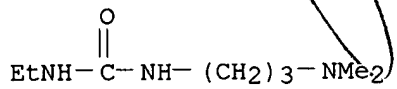
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000059490	A2	20001012	WO 2000-US9087	20000406
WO 2000059490	A3	20010215		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 1999-128177 P 19990406
OTHER SOURCE(S): MARPAT 133:286497

AB The invention relates to immunomodulatory compns. and related methods. The immunomodulatory compns. are useful for the prevention of sepsis and the treatment and prevention of diseases assocd. with inflammation and/or NOS. CM-cellulose/N-ethyl-N'-(3-dimethylaminopropyl)urea formulations are described.

IT **32897-26-0**
RL: **THU (Therapeutic use)**; BIOL (Biological study); USES (Uses)
(immunomodulatory compns.)
RN 32897-26-0 CAPLUS
CN Urea, N-[3-(dimethylamino)propyl]-N'-ethyl- (9CI) (CA INDEX NAME)



=> file uspatful

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FULL ESTIMATED COST	74.08	341.42

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-10.00	-10.00

FILE 'USPATFULL' ENTERED AT 10:55:19 ON 01 JUN 2001

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 29 May 2001 (20010529/PD)
FILE LAST UPDATED: 29 May 2001 (20010529/ED)
HIGHEST PATENT NUMBER: US8411134
CA INDEXING IS CURRENT THROUGH 29 May 2001 (20010529/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 29 May 2001 (20010529/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Apr 2001
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Apr 2001

>>> Page images are available for patents from 1/1/1997. Current <<<
>>> week patent text is typically loaded by Thursday morning and <<<
>>> page images are available for display by the end of the day. <<<
>>> Image data for the /FA field are available the following week. <<<

>>> Complete CA file indexing for chemical patents (or equivalents) <<<
>>> is included in file records. A thesaurus is available for the <<<
>>> USPTO Manual of Classifications in the /NCL, /INCL, and /RPCL <<<
>>> fields. This thesaurus includes catchword terms from the <<<
>>> USPTO/MOC subject headings and subheadings. Thesauri are also <<<
>>> available for the WIPO International Patent Classification <<<
>>> (IPC) Manuals, editions 1-6, in the /IC1, /IC2, /IC3, /IC4, <<<
>>> /IC5, and /IC (/IC6) fields, respectively. The thesauri in <<<
>>> the /IC5 and /IC fields include the corresponding catchword <<<
>>> terms from the IPC subject headings and subheadings. <<<

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d his

(FILE 'HOME' ENTERED AT 10:38:39 ON 01 JUN 2001)

FILE 'REGISTRY' ENTERED AT 10:38:44 ON 01 JUN 2001
L1 STRUCTURE UPLOADED
L2 50 S L1
L3 36270 S L1 FULL
L4 STRUCTURE UPLOADED
L5 14060 S L4 FULL SUB=L3
L6 5399 S L5 AND 3/N
L7 734 S ETHYL(L)DIMETHYL(L)AMINO(L)PROPYL(L)UREA
L8 0 S UREA, "N-ETHYL-N'-(3-DIMETHYLAMINOPROPYL)-"
L9 4 S ETHYL(L)DIMETHYLAMINOPROPYL(L)UREA
L10 3 S L9 AND 1/NC
L11 1 S L10 AND 1/O

FILE 'CAPLUS' ENTERED AT 10:52:57 ON 01 JUN 2001

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L12          15 S L11
L13           2 S L11/THU

     FILE 'USPATFULL' ENTERED AT 10:55:19 ON 01 JUN 2001

=> s l11
L14           2 L11

=> s l14 not l13
'THU' IS NOT A VALID CROSSOVER QUALIFIER FOR L11
Answer sets created in a different file may be field qualified with a
limited set of qualifiers.  Enter HELP CROSSOVER at an arrow prompt
(=>) for specific information.

=> d ibib ab hitstr 1-2

L14  ANSWER 1 OF 2  USPATFULL
ACCESSION NUMBER:         96:29480  USPATFULL
TITLE:                    Non-specific reaction suppressor
INVENTOR(S):              Ito, Michio, Indianapolis, IN, United States
                          Sugawa, Satoshi, Machida, Japan
                          Yanagida, Atsushi, Carmel, IN, United States
PATENT ASSIGNEE(S):       Mitsubishi Kasei Corporation, Tokyo, Japan (non-U.S.
                          corporation)

                               NUMBER         DATE
                          ---------------- --------
PATENT INFORMATION:       US 5506151       19960409
APPLICATION INFO.:        US 1994-194475   19940209  (8)
DOCUMENT TYPE:            Utility
PRIMARY EXAMINER:         Ceperley, Mary E.
LEGAL REPRESENTATIVE:     Oblon, Spivak, McClelland, Maier & Neustadt
NUMBER OF CLAIMS:         16
EXEMPLARY CLAIM:          1
NUMBER OF DRAWINGS:       13 Drawing Figure(s); 7 Drawing Page(s)
LINE COUNT:               575
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB     A non-specific reaction suppressor for immunoassays having the formula:
       ##STR1## where R.sub.1, R.sub.2, Y, X, and R.sub.3 are defined in the
       specification.
IT  32897-26-0, 1-Ethyl3-(3-dimethylaminopropyl)urea
        (immunoassay uses latex particle-immobilized immunoreactant and
        nonspecific reaction suppressor)
RN   32897-26-0  USPATFULL
CN   Urea, N-[3-(dimethylamino)propyl]-N'-ethyl- (9CI)  (CA INDEX NAME)
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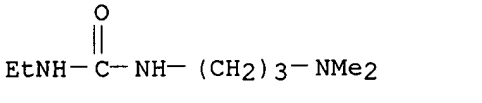

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L14  ANSWER 2 OF 2  USPATFULL
ACCESSION NUMBER:         93:35827  USPATFULL
TITLE:                    Process for production of water-soluble carbodiimide
```

09/350,193

INVENTOR(S):	Yoneyama, Takahiro, Matsudo, Japan Odagiri, Masaki, Ushiku, Japan Imanari, Makoto, Ami, Japan	
PATENT ASSIGNEE(S):	Research Association for Utilization of Light Oil, Tokyo, Japan (non-U.S. corporation)	
	NUMBER	DATE
PATENT INFORMATION:	US 5208378	19930504
APPLICATION INFO.:	US 1991-732123	19910718 (7)
	NUMBER	DATE
PRIORITY INFORMATION:	JP 1990-189414	19900719
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Hollrah, Glennon H.	
ASSISTANT EXAMINER:	O'Sullivan, Peter G.	
LEGAL REPRESENTATIVE:	Wenderoth, Lind & Ponack	
NUMBER OF CLAIMS:	10	
EXEMPLARY CLAIM:	1	
LINE COUNT:	239	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A process for the production of a water-soluble carbodiimide, which comprises

(1) allowing ethyl isothiocyanate to react with N,N-dimethyl-1,3-propanediamine in an aromatic hydrocarbon solvent (first reaction step),

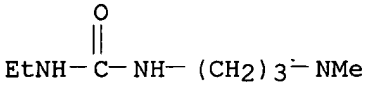
(2) removing hydrogen sulfide from a thiourea derivative formed in the first reaction step upon adding a hydrogen sulfide removing agent without isolating the thiourea derivative (second reaction step), and

(3) recovering a water-soluble carbodiimide from the resulting reaction mixture.

IT **32897-26-0P**
(prepn. and dehydrosulfurization of)

RN 32897-26-0 USPATFULL

CN Urea, N-[3-(dimethylamino)propyl]-N'-ethyl- (9CI) (CA INDEX NAME)



=> d ibib ab hitstr 1-2

L14 ANSWER 1 OF 2 USPATFULL

ACCESSION NUMBER:	96:29480 USPATFULL
TITLE:	Non-specific reaction suppressor
INVENTOR(S):	Ito, Michio, Indianapolis, IN, United States Sugawa, Satoshi, Machida, Japan Yanagida, Atsushi, Carmel, IN, United States

PATENT ASSIGNEE(S): Mitsubishi Kasei Corporation, Tokyo, Japan (non-U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 5506151	19960409
APPLICATION INFO.:	US 1994-194475	19940209 (8)

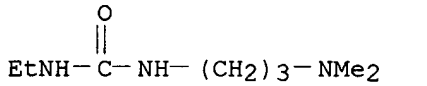
DOCUMENT TYPE: Utility
PRIMARY EXAMINER: Ceperley, Mary E.
LEGAL REPRESENTATIVE: Oblon, Spivak, McClelland, Maier & Neustadt
NUMBER OF CLAIMS: 16
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 13 Drawing Figure(s); 7 Drawing Page(s)
LINE COUNT: 575
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A non-specific reaction suppressor for immunoassays having the formula: ##STR1## where R.sub.1, R.sub.2, Y, X, and R.sub.3 are defined in the specification.

IT **32897-26-0**, 1-Ethyl3-(3-dimethylaminopropyl)urea (immunoassay uses latex particle-immobilized immunoreactant and nonspecific reaction suppressor)

RN 32897-26-0 USPATFULL

CN Urea, N-[3-(dimethylamino)propyl]-N'-ethyl- (9CI) (CA INDEX NAME)



L14 ANSWER 2 OF 2 USPATFULL

ACCESSION NUMBER: 93:35827 USPATFULL

TITLE: Process for production of water-soluble carbodiimide

INVENTOR(S): Yoneyama, Takahiro, Matsudo, Japan
Odagiri, Masaki, Ushiku, Japan
Imanari, Makoto, Ami, Japan

PATENT ASSIGNEE(S): Research Association for Utilization of Light Oil, Tokyo, Japan (non-U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 5208378	19930504
APPLICATION INFO.:	US 1991-732123	19910718 (7)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1990-189414	19900719

DOCUMENT TYPE: Utility
PRIMARY EXAMINER: Hollrah, Glennon H.
ASSISTANT EXAMINER: O'Sullivan, Peter G.
LEGAL REPRESENTATIVE: Wenderoth, Lind & Ponack
NUMBER OF CLAIMS: 10
EXEMPLARY CLAIM: 1
LINE COUNT: 239
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

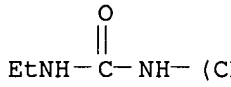
AB A process for the production of a water-soluble carbodiimide, which comprises

(1) allowing ethyl isothiocyanate to react with N,N-dimethyl-1,3-propanediamine in an aromatic hydrocarbon solvent (first reaction step),

(2) removing hydrogen sulfide from a thiourea derivative formed in the first reaction step upon adding a hydrogen sulfide removing agent without isolating the thiourea derivative (second reaction step), and

(3) recovering a water-soluble carbodiimide from the resulting reaction mixture.

IT **32897-26-0P**
(prepn. and dehydrosulfurization of)
RN 32897-26-0 USPATFULL
CN Urea, N-[3-(dimethylamino)propyl]-N'-ethyl- (9CI) (CA INDEX NAME)



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CA SUBSCRIBER PRICE	0.00	-10.00

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USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE CONTENT: 1988-PRESENT (VOL 104 ISS 15-VOL 134 ISS 22) (20010525/ED)

MOST RECENT CITATIONS FOR PATENTS FROM FIVE MAJOR ISSUING AGENCIES
(COVERAGE TO THESE DATES IS NOT COMPLETE):

US 6225295 01 MAY 2001
DE 10035614 26 APR 2001
EP 1095952 02 MAY 2001
JP 200112290 08 MAY 2001
WO 200103079 03 MAY 2001

MARPAT structure search limits have been raised.
Enter HELP SLIMIT for details.

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L2          50 S L1
L3       36270 S L1 FULL
L4             STRUCTURE UPLOADED
L5       14060 S L4 FULL SUB=L3
L6        5399 S L5 AND 3/N
L7         734 S ETHYL(L)DIMETHYL(L)AMINO(L)PROPYL(L)UREA
L8           0 S UREA, "N-ETHYL-N'-(3-DIMETHYLAMINOPROPYL)-"
L9           4 S ETHYL(L)DIMETHYLAMINOPROPYL(L)UREA
L10          3 S L9 AND 1/NC
L11          1 S L10 AND 1/O

     FILE 'CAPLUS' ENTERED AT 10:52:57 ON 01 JUN 2001
L12         15 S L11
L13          2 S L11/THU

     FILE 'USPATFULL' ENTERED AT 10:55:19 ON 01 JUN 2001
L14          2 S L11

     FILE 'MARPAT' ENTERED AT 10:56:49 ON 01 JUN 2001

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'O' IS NOT A VALID FIELD CODE
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             0 DIMETHYLAMINOPROPYL
             0 UREA
             1 UREAS
             1 UREA
                 (UREA OR UREAS)
             0 ETHYL(L)DIMETHYLAMINOPROPYL(L)UREA
             0 1/NC
             0 1/O
L15          0 L10 AND 1/O

=> s l9
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             0 DIMETHYLAMINOPROPYL
             0 UREA
             1 UREAS
             1 UREA
                 (UREA OR UREAS)
L16          0 ETHYL(L)DIMETHYLAMINOPROPYL(L)UREA

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                                                 ENTRY    SESSION
FULL ESTIMATED COST                               9.19     372.81

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CA SUBSCRIBER PRICE                               0.00     -10.00
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FILE 'BEILSTEIN' ENTERED AT 10:57:15 ON 01 JUN 2001
COPYRIGHT (c) 2001 Beilstein-Institut zur Foerderung der Chemischen
Wissenschaften licensed to Beilstein Chemiedaten & Software GmbH and MDL
Information Systems GmbH

FILE LAST UPDATED: 6 MAR 2000

FILE COVERS 1779 TO 2000.
*** CAS REGISTRY NUMBERS FOR 4,356,237 SUBSTANCES AVAILABLE ***
*** FILE CONTAINS 7,688,486 SUBSTANCES ***

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* PLEASE NOTE THAT THERE ARE NO FORMATS FREE OF COST.               *
* SET NOTICE FEATURE: THE COST ESTIMATES CALCULATED FOR SET NOTICE  *
* ARE BASED ON THE HIGHEST PRICE CATEGORY. THEREFORE; THESE         *
* ESTIMATES MAY NOT REFLECT THE ACTUAL COSTS.                       *
* FOR PRICE INFORMATION SEE HELP COST                               *
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     FILE 'REGISTRY' ENTERED AT 10:38:44 ON 01 JUN 2001
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L2               50 S L1
L3            36270 S L1 FULL
L4             STRUCTURE UPLOADED
L5            14060 S L4 FULL SUB=L3
L6             5399 S L5 AND 3/N
L7              734 S ETHYL(L)DIMETHYL(L)AMINO(L)PROPYL(L)UREA
L8                0 S UREA, "N-ETHYL-N'-(3-DIMETHYLAMINOPROPYL)-"
L9                4 S ETHYL(L)DIMETHYLAMINOPROPYL(L)UREA
L10               3 S L9 AND 1/NC
L11               1 S L10 AND 1/O

     FILE 'CAPLUS' ENTERED AT 10:52:57 ON 01 JUN 2001
L12              15 S L11
L13               2 S L11/THU

     FILE 'USPATFULL' ENTERED AT 10:55:19 ON 01 JUN 2001
L14               2 S L11

     FILE 'MARPAT' ENTERED AT 10:56:49 ON 01 JUN 2001
L15               0 S L11
L16               0 S L9

     FILE 'BEILSTEIN' ENTERED AT 10:57:15 ON 01 JUN 2001

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L17             1 L11

=> d all
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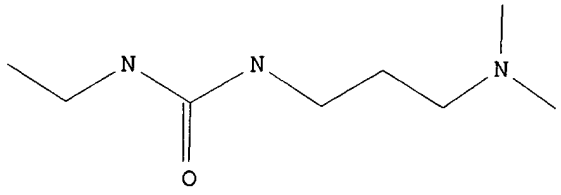
L17 ANSWER 1 OF 1 COPYRIGHT 2001 BEILSTEIN CDS MDLI

Beilstein Reg. No. (BRN): 4961600 Beilstein
Molecular Formula (MF): C8 H19 N3 O
Autonom Name (AUN): 1-(3-dimethylamino-propyl)-3-ethyl-urea
Beilstein Reference (SO): 6-04
CAS Reg. No. (RN): **32897-26-0**
Beilstein Pref. RN (BPR): 32897-26-0
Formula Weight (FW): 173.26
Lawson Number (LN): 3027; 2826; 2817; 1762

Ring System Data:

Number of Rings (CNR): 0
Acyclic Heteros (CNAH): 4



Preparation:
PRE
Start: BRN=773743 isocyanatoethane, BRN=605293 N,N-dimethyl-propane-1,3-diamine
Time: 2 hour(s)
Solv: diethyl ether
Ambient Temperature
Reference(s):
1. Williams, Andrew; Ibrahim, Ibrahim T., J.Amer.Chem.Soc., 103 <1981> 24, 7090-7095, LA: EN, CODEN: JACSAT
Note(s):
2. Yield given

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	14.34	387.15
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-10.00

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USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

STRUCTURE FILE UPDATES: 30 MAY 2001 HIGHEST RN 339046-06-9
DICTIONARY FILE UPDATES: 30 MAY 2001 HIGHEST RN 339046-06-9

TSCA INFORMATION NOW CURRENT THROUGH January 11, 2001

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Structure search limits have been increased. See HELP SLIMIT for details.

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(FILE 'HOME' ENTERED AT 10:38:39 ON 01 JUN 2001)

FILE 'REGISTRY' ENTERED AT 10:38:44 ON 01 JUN 2001
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L2 50 S L1
L3 36270 S L1 FULL
L4 STRUCTURE UPLOADED
L5 14060 S L4 FULL SUB=L3
L6 5399 S L5 AND 3/N
L7 734 S ETHYL(L)DIMETHYL(L)AMINO(L)PROPYL(L)UREA
L8 0 S UREA, "N-ETHYL-N'-(3-DIMETHYLAMINOPROPYL)-"
L9 4 S ETHYL(L)DIMETHYLAMINOPROPYL(L)UREA
L10 3 S L9 AND 1/NC
L11 1 S L10 AND 1/O

FILE 'CAPLUS' ENTERED AT 10:52:57 ON 01 JUN 2001
L12 15 S L11
L13 2 S L11/THU

FILE 'USPATFULL' ENTERED AT 10:55:19 ON 01 JUN 2001
L14 2 S L11

FILE 'MARPAT' ENTERED AT 10:56:49 ON 01 JUN 2001
L15 0 S L11
L16 0 S L9

FILE 'BEILSTEIN' ENTERED AT 10:57:15 ON 01 JUN 2001
L17 1 S L11

FILE 'REGISTRY' ENTERED AT 10:57:49 ON 01 JUN 2001

=>
Uploading 489.str

L18 STRUCTURE UPLOADED

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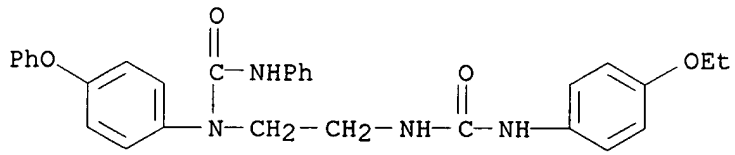
FULL SUBSET SEARCH INITIATED 11:00:01 FILE 'REGISTRY'
FULL SUBSET SCREEN SEARCH COMPLETED - 32305 TO ITERATE

100.0% PROCESSED 32305 ITERATIONS 11247 ANSWERS
SEARCH TIME: 00.00.05

L19 11247 SEA SUB=L3 SSS FUL L18

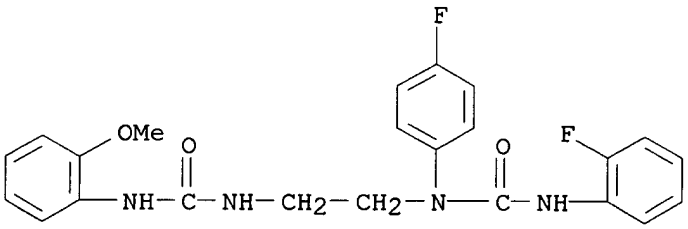
=> d scan

L19 11247 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Urea, N-[2-[[[(4-ethoxyphenyl)amino]carbonyl]amino]ethyl]-N-(4-phenoxyphenyl)-N'-phenyl- (9CI)
MF C30 H30 N4 O4



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L19 11247 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Urea, N'-(2-fluorophenyl)-N-(4-fluorophenyl)-N-[2-[[[(2-methoxyphenyl)amino]carbonyl]amino]ethyl]- (9CI)
MF C23 H22 F2 N4 O3



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

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(FILE 'HOME' ENTERED AT 10:38:39 ON 01 JUN 2001)

FILE 'REGISTRY' ENTERED AT 10:38:44 ON 01 JUN 2001
L1 STRUCTURE UPLOADED
L2 50 S L1
L3 36270 S L1 FULL
L4 STRUCTURE UPLOADED
L5 14060 S L4 FULL SUB=L3
L6 5399 S L5 AND 3/N
L7 734 S ETHYL(L)DIMETHYL(L)AMINO(L)PROPYL(L)UREA

```
L8            0 S UREA, "N-ETHYL-N'-(3-DIMETHYLAMINOPROPYL)-"
L9            4 S ETHYL(L)DIMETHYLAMINOPROPYL(L)UREA
L10           3 S L9 AND 1/NC
L11           1 S L10 AND 1/O

     FILE 'CAPLUS' ENTERED AT 10:52:57 ON 01 JUN 2001
L12          15 S L11
L13           2 S L11/THU

     FILE 'USPATFULL' ENTERED AT 10:55:19 ON 01 JUN 2001
L14           2 S L11

     FILE 'MARPAT' ENTERED AT 10:56:49 ON 01 JUN 2001
L15           0 S L11
L16           0 S L9

     FILE 'BEILSTEIN' ENTERED AT 10:57:15 ON 01 JUN 2001
L17           1 S L11

     FILE 'REGISTRY' ENTERED AT 10:57:49 ON 01 JUN 2001
L18             STRUCTURE UPLOADED
L19       11247 S L18 FULL SUB=L3

=> s l18
SAMPLE SEARCH INITIATED 11:00:39 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   2732 TO ITERATE

 36.6% PROCESSED    1000 ITERATIONS                          50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.02

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:        51507 TO    57773
PROJECTED ANSWERS:           10242 TO    13142

L20          50 SEA SSS SAM L18

=> d scan

L20  50 ANSWERS   REGISTRY  COPYRIGHT 2001 ACS
IN   Benzamide, 2,5-bis(2,2,2-trifluoroethoxy)-N-[2-[[[[3-
     (trifluoromethyl)phenyl]amino]carbonyl]amino]ethyl]- (9CI)
MF   C21 H18 F9 N3 O4
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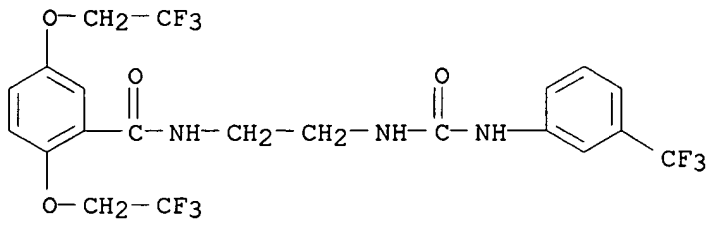
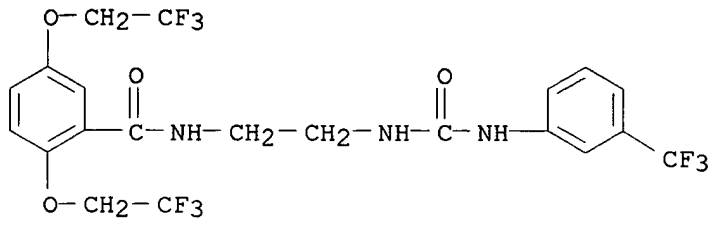




HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> s l18 css
SAMPLE SEARCH INITIATED 11:01:00 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 2732 TO ITERATE

36.6% PROCESSED 1000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 51507 TO 57773
PROJECTED ANSWERS: 0 TO 0

L21 0 SEA CSS SAM L18

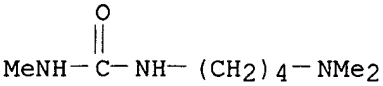
=> s l18 css full
FULL SEARCH INITIATED 11:01:07 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 54245 TO ITERATE

100.0% PROCESSED 54245 ITERATIONS 8 ANSWERS
SEARCH TIME: 00.00.04

L22 8 SEA CSS FUL L18

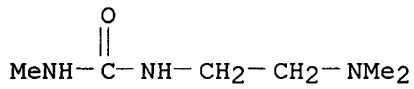
=> d scan

L22 8 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Urea, N-[4-(dimethylamino)butyl]-N'-methyl- (9CI)
MF C8 H19 N3 O

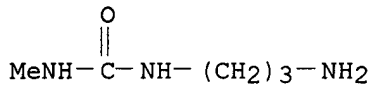


HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):5

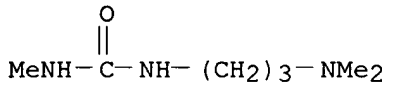
L22 8 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Urea, N-[2-(dimethylamino)ethyl]-N'-methyl- (9CI)
MF C6 H15 N3 O
CI COM



L22 8 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Urea, N-(3-aminopropyl)-N'-methyl- (9CI)
MF C5 H13 N3 O

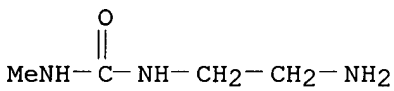


L22 8 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Urea, N-[3-(dimethylamino)propyl]-N'-methyl- (9CI)
MF C7 H17 N3 O

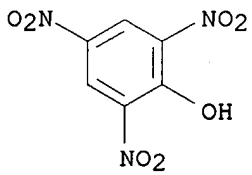


L22 8 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Urea, N-(2-aminoethyl)-N'-methyl-, compd. with 2,4,6-trinitrophenol (1:1) (9CI)
MF C6 H3 N3 O7 . C4 H11 N3 O

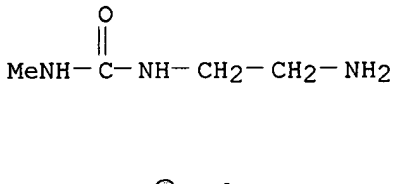
CM 1



CM 2



L22 8 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Urea, N-(2-aminoethyl)-N'-methyl-, monohydrochloride (9CI)
MF C4 H11 N3 O . Cl H



⊛ HCl

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	166.92	554.07

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-10.00

FILE 'CAPLUS' ENTERED AT 11:01:43 ON 01 JUN 2001
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE COVERS 1947 - 1 Jun 2001 VOL 134 ISS 23
FILE LAST UPDATED: 30 May 2001 (20010530/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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=> d his

     (FILE 'HOME' ENTERED AT 10:38:39 ON 01 JUN 2001)

     FILE 'REGISTRY' ENTERED AT 10:38:44 ON 01 JUN 2001
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L2          50 S L1
L3       36270 S L1 FULL
L4             STRUCTURE UPLOADED
L5       14060 S L4 FULL SUB=L3
L6        5399 S L5 AND 3/N
L7         734 S ETHYL(L)DIMETHYL(L)AMINO(L)PROPYL(L)UREA
L8           0 S UREA, "N-ETHYL-N'-(3-DIMETHYLAMINOPROPYL)-"
L9           4 S ETHYL(L)DIMETHYLAMINOPROPYL(L)UREA
L10          3 S L9 AND 1/NC
L11          1 S L10 AND 1/O

     FILE 'CAPLUS' ENTERED AT 10:52:57 ON 01 JUN 2001
L12         15 S L11
L13          2 S L11/THU

     FILE 'USPATFULL' ENTERED AT 10:55:19 ON 01 JUN 2001
L14          2 S L11

     FILE 'MARPAT' ENTERED AT 10:56:49 ON 01 JUN 2001
L15          0 S L11
L16          0 S L9

     FILE 'BEILSTEIN' ENTERED AT 10:57:15 ON 01 JUN 2001
L17          1 S L11

     FILE 'REGISTRY' ENTERED AT 10:57:49 ON 01 JUN 2001
L18            STRUCTURE UPLOADED
L19      11247 S L18 FULL SUB=L3
L20         50 S L18
L21          0 S L18 CSS
L22          8 S L18 CSS FULL

     FILE 'CAPLUS' ENTERED AT 11:01:43 ON 01 JUN 2001

=> s l22
L23         10 L22

=> d ibib ab hitstr 1-10

L23  ANSWER 1 OF 10  CAPLUS  COPYRIGHT 2001 ACS
ACCESSION NUMBER:        1990:118630  CAPLUS
DOCUMENT NUMBER:         112:118630
TITLE:                   3-Amino-2-hydroxypropyl furoates or
                         thiophenecarboxylates as .beta.-adrenergic blockers
INVENTOR(S):             Kam, Sheung T.; Matier, William L.; Patil, Ghanshyam;
```

Mai, Khuong H. X.
PATENT ASSIGNEE(S): du Pont de Nemours, E. I., and Co., USA
SOURCE: U.S., 20 pp. Cont.-in-part of U.S. 4,582,855.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4798892	A	19890117	US 1986-851629	19860414
US 4582855	A	19860415	US 1981-320773	19811112
ZA 8207749	A	19830831	ZA 1982-7749	19821022
EP 93765	A1	19831116	EP 1982-903569	19821028
EP 93765	B1	19861210		
R: BE, CH, DE, FR, GB, LI, LU, NL, SE				
CA 1201438	A1	19860304	CA 1982-415282	19821110
ES 517296	A1	19831201	ES 1982-517296	19821111
IL 67243	A1	19870331	IL 1982-67243	19821112
ES 523804	A1	19841101	ES 1983-523804	19830701
ES 523805	A1	19841101	ES 1983-523805	19830701
NO 8302526	A	19830711	NO 1983-2526	19830711
NO 170926	B	19920921		
NO 170926	C	19921230		
ES 530788	A1	19850601	ES 1984-530788	19840320
US 4810717	A	19890307	US 1986-838082	19860310
US 4935421	A	19900619	US 1989-318147	19890301

PRIORITY APPLN. INFO.: US 1981-320773 19811112
US 1986-838082 19860310

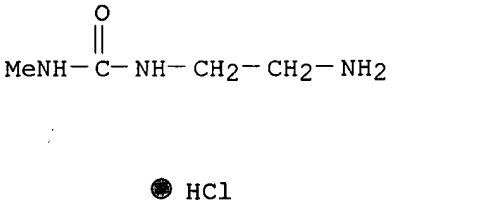
OTHER SOURCE(S): MARPAT 112:118630

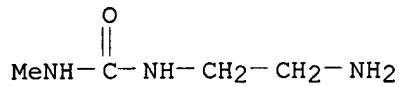
AB Title compds. ArCO2CH2CH(OH)CH2NHWNR1B [I; Ar = (substituted) furyl or thienyl or Ph; W = C1-10 alkylene; B = COR2, CONR2R3, SO2R2, SO2NR2R3, CO2R2; R1, R2, R3 = H, alkyl, alkoxyalkyl, alkenyl, Ph, etc.; R2R3N = morpholino; R2 .noteq. H when B = SO2R2, CO2R2] are prepd. To a soln. of glycidol and Et3N in Et2O was added 2-furoyl chloride, giving 88.0% of ester II, which in DMF was heated with 1,1-dimethyl-2-[(morpholinocarbonyl)amino]ethylamine at 70.degree. to give furoate ester III, isolated as its oxalate (23.0%). III at 2.4 .mu.g/kg/min gave 40% inhibition of heart rate response to isoproterenol in anesthetized dogs, and exhibited pA2 (guinea pig atria in vitro) of 7.6.

IT **122036-80-0P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and reaction of, in prepn. of .beta.-adrenergic blockers)

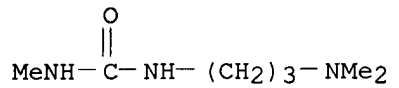
RN 122036-80-0 CAPLUS

CN Urea, N-(2-aminoethyl)-N'-methyl-, monohydrochloride (9CI) (CA INDEX NAME)





L23 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1989:211700 CAPLUS
DOCUMENT NUMBER: 110:211700
TITLE: Preparation of carbodiimides by a phase-transfer catalytic method
AUTHOR(S): Jaszay, Zsuzsa M.; Petnehazy, Imre; Toke, Laszlo; Szajani, Bela
CORPORATE SOURCE: Szerv. Kem. Technol. Tansz., Budapesti Muszaki Egyet., Budapest, 1521, Hung.
SOURCE: Magy. Kem. Foly. (1988), 94(6-7), 246-9
CODEN: MGKFA3; ISSN: 0025-0155
DOCUMENT TYPE: Journal
LANGUAGE: Hungarian
AB A new method is described for the prepn. of carbodiimides by dehydration of ureas with arom. sulfonic acid chloride under solid-liq. phase-transfer catalytic conditions using solid K2CO3 as base and a lipophile quaternary ammonium salt as catalyst. The method is generally applicable for the synthesis of disubstituted carbodiimides, but esp. useful for unsym. substituted carbodiimides. Most of the carbodiimides prepd. have been identified in the form of the more stable, cryst. quaternary salt.
IT **111681-36-8**
RL: RCT (Reactant)
(dehydration of, with arenesulfonyl chloride under phase-transfer catalytic conditions)
RN 111681-36-8 CAPLUS
CN Urea, N-[3-(dimethylamino)propyl]-N'-methyl- (9CI) (CA INDEX NAME)



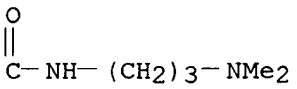
L23 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1988:68296 CAPLUS
DOCUMENT NUMBER: 108:68296
TITLE: Choline-like nitrosoalkylurea derivatives and their antitumor activity
AUTHOR(S): Belyaev, A. A.; Radina, L. B.; Anoshina, G. M.; Peretolchina, N. M.; Sof'ina, Z. P.
CORPORATE SOURCE: Inst. Khim., Sverdlovsk, USSR
SOURCE: Khim.-Farm. Zh. (1987), 21(8), 940-5
CODEN: KHFZAN; ISSN: 0023-1134

DOCUMENT TYPE: Journal
LANGUAGE: Russian

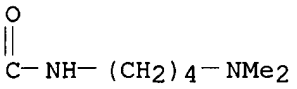
AB N,N-Dimethylpropanediamine, N,N-dimethylbutanediamine, and N,N,N'-trimethylethylenediamine were carbamoylated with suitable alkyl isocyanates, the urea derivs. formed were quaternized with Me tosylate, and the quaternized derivs. were treated with N2O3 to give nitrosoalkyl urea derivs., R1R2NCONR(CH2)nN+Me3 TsO- (R = H, Me or NO, R1 = Me, CH2CH2Cl2, or cyclohexyl and R2 = H or NO, and n = 2-4). The antitumor activity and toxicity of these compds. were evaluated. Toxicity of the disubstituted nitrosoalkylureas in comparison with choline-like nitrosoalkylureas was maintained at max. tolerable dose, 10-30 mg/kg, while that of the trisubstituted derivs. it decreased to the max. tolerable dose of 250-300 mg/kg. ClCH2CH2N(NO)CONMe(CH2)2N+Me TsO- showed the highest antitumor activity at 250 mg/kg. Structure-activity relations are discussed.

IT **111681-36-8P 112557-32-1P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and quaternization of)

RN 111681-36-8 CAPLUS
CN Urea, N-[3-(dimethylamino)propyl]-N'-methyl- (9CI) (CA INDEX NAME)



RN 112557-32-1 CAPLUS
CN Urea, N-[4-(dimethylamino)butyl]-N'-methyl- (9CI) (CA INDEX NAME)



L23 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1988:5307 CAPLUS
DOCUMENT NUMBER: 108:5307
TITLE: Preparation of carbodiimides using phase-transfer catalysis
AUTHOR(S): Jaszay, Zsuzsa M.; Petnehazy, Imre; Toke, Laszlo; Szajani, Bela
CORPORATE SOURCE: Tech. Univ. Budapest, Badapest, H-1521, Hung.
SOURCE: Synthesis (1987), (5), 520-3
CODEN: SYNTBF; ISSN: 0039-7881
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 108:5307

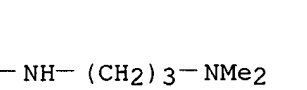
AB RN:C:NR1 (R = cyclohexyl, Ph, Bu, Me, Me3C; R1 = aminoalkyl, PhCH2, cyclohexyl, Me3C) were prepd. by dehydration of ureas with arenesulfonyl chlorides under solid-liq. phase-transfer conditions with solid K2CO3 as base and PhCH2N+Et3 Cl- as catalyst. The method was esp. useful for the

synthesis of unsym. substituted carbodiimides. The basic carbodiimides were converted into more stable, cryst. quaternary salts.

IT **111681-36-8**
RL: RCT (Reactant)
(dehydration of, by arylsulfonyl chloride)

RN 111681-36-8 CAPLUS

CN Urea, N-[3-(dimethylamino)propyl]-N'-methyl- (9CI) (CA INDEX NAME)



L23 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1987:32335 CAPLUS

DOCUMENT NUMBER: 106:32335

TITLE: Nitrosoalkylureas based on alkylammonium salts and their antitumor activity

AUTHOR(S): Belyaev, A. A.; Gopko, V. F.; Radina, L. B.; Peretolchina, N. M.; Sof'ina, Z. P.; Anoshina, G. M.; Zubova, T. E.

CORPORATE SOURCE: Inst. Khim., Sverdlovsk, USSR

SOURCE: Khim.-Farm. Zh. (1986), 20(5), 532-6
CODEN: KHFZAN; ISSN: 0023-1134

DOCUMENT TYPE: Journal

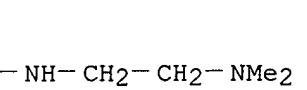
LANGUAGE: Russian

AB Seven title compds. were prepd. by reaction of dimethyl(aminoethyl)amine with the appropriate isocyanate, followed by either quaternization or hydrochloride formation. In vitro tests of neoplasm inhibition showed 2 chloroethyl derivs. to be the most potent. Given i.p. to mice bearing various tumors, the hydrochloride form was more active and more toxic than the quaternary salt form. Structure activity relations are discussed.

IT **105996-25-6P 105996-27-8P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

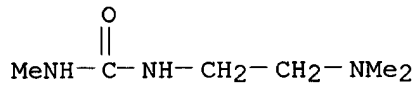
RN 105996-25-6 CAPLUS

CN Urea, N-[2-(dimethylamino)ethyl]-N'-methyl- (9CI) (CA INDEX NAME)



RN 105996-27-8 CAPLUS

CN Urea, N-[2-(dimethylamino)ethyl]-N'-methyl-, monohydrochloride (9CI) (CA INDEX NAME)



L23 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1984:6088 CAPLUS
DOCUMENT NUMBER: 100:6088
TITLE: 2-Hydroxypropylamine aryl ester derivatives
INVENTOR(S): Kam, Sheung Tsam; Matier, William L.
PATENT ASSIGNEE(S): American Hospital Supply Corp., USA
SOURCE: PCT Int. Appl., 70 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 8301770	A1	19830526	WO 1982-US1536	19821028
W: AU, DK, JP, NO, RO, SU				
RW: AT, BE, CH, DE, FR, GB, LU, NL, SE				
US 4582855	A	19860415	US 1981-320773	19811112
ZA 8207749	A	19830831	ZA 1982-7749	19821022
AU 8210120	A1	19830601	AU 1982-10120	19821028
EP 93765	A1	19831116	EP 1982-903569	19821028
EP 93765	B1	19861210		
R: BE, CH, DE, FR, GB, LI, LU, NL, SE				
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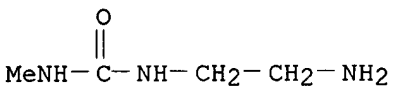
CA 1201438	A1	19860304	CA 1982-415282	19821110
ES 517296	A1	19831201	ES 1982-517296	19821111
IL 67243	A1	19870331	IL 1982-67243	19821112
ES 523804	A1	19841101	ES 1983-523804	19830701
ES 523805	A1	19841101	ES 1983-523805	19830701
NO 8302526	A	19830711	NO 1983-2526	19830711
NO 170926	B	19920921		
NO 170926	C	19921230		
JP 58501724	T2	19831013	JP 1982-503552	19830712
JP 63020424	B4	19880427		
ES 530788	A1	19850601	ES 1984-530788	19840320
US 4810717	A	19890307	US 1986-838082	19860310
US 4935421	A	19900619	US 1989-318147	19890301

PRIORITY APPLN. INFO.: US 1981-320773 19811112
WO 1982-US1536 19821028
US 1986-838082 19860310

AB .beta.-Blockers RCO2CH2CH(OH)CH2NH-X-R1 [R = (un)substituted aryl, heterocyclic; X = C1-C10 alkylene; R1 = NR2COR3, NR2CONR3R4, NR2SO2R3, NR2SO2NR3R4, NR2CO2R3; R2-R4 = H, alkyl, alkoxyalkyl, cycloalkyl, alkenyl, alkynyl, aryl, heteroaryl, aralkyl; NR3R4 = 5-7 membered heterocycle] were

prepd. Thus EtOAc reacted with H2NCH2CMe2NH2 to give 57.4% AcNHCH2CMe2NH2 (I). 2-FC6H4COCl reacted with glycidol to give 2-FC6H4CO2R5 (R5 = 2,3-epoxypropyl), which was treated with I to give AcNHCH2CMe2NHCH2CH(OH)CH2O2CC6H4F-4 (II). At 2.7 mg/kg II 3 h after administration gave 61% inhibition of heart rate response to isoproterenol in dogs. The aryl esters of this invention were also useful in the treatment of glaucoma (no data).

IT **75930-29-9P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 75930-29-9 CAPLUS
CN Urea, N-(2-aminoethyl)-N'-methyl- (9CI) (CA INDEX NAME)



L23 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1984:6069 CAPLUS
DOCUMENT NUMBER: 100:6069
TITLE: P-Substituted 3-phenoxy-1-ureidoalkylamino-2-propanols
INVENTOR(S): Gustafsson, Bill Bemjamin Rudolf; Hedberg, Sven Anders; Lundgren, Bo Torsten
PATENT ASSIGNEE(S): Hassle AB, Swed.
SOURCE: Brit. UK Pat. Appl., 25 pp.
CODEN: BAXXDU
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2111500	A1	19830706	GB 1982-35707	19821215
GB 2111500	B2	19850807		
EP 85286	A1	19830810	EP 1982-850257	19821210
EP 85286	B1	19860430		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
AT 19510	E	19860515	AT 1982-850257	19821210
ZA 8209249	A	19830928	ZA 1982-9249	19821215
FI 8204339	A	19830618	FI 1982-4339	19821216
NO 8204237	A	19830620	NO 1982-4237	19821216
NO 154835	B	19860922		
NO 154835	C	19870102		
JP 58110556	A2	19830701	JP 1982-219367	19821216
ES 518268	A1	19840216	ES 1982-518268	19821216
HU 31106	O	19840428	HU 1982-4066	19821216
CA 1178588	A1	19841127	CA 1982-417848	19821216
RO 87523	B3	19850831	RO 1982-109344	19821216
CS 239948	B2	19860116	CS 1982-8725	19821216

CS 239935	B2	19860116	CS 1982-9249	19821216
DK 8205601	A	19830618	DK 1982-5601	19821217
AU 8291637	A1	19830623	AU 1982-91637	19821217
DD 208799	A5	19840411	DD 1982-246176	19821217
PL 139609	B1	19870228	PL 1982-239591	19821217
SU 1169533	A3	19850723	SU 1983-3657075	19831031
ES 527314	A1	19841201	ES 1983-527314	19831116
ES 535597	A1	19851201	ES 1984-535597	19840901
US 4636501	A	19870113	US 1985-757763	19850722

PRIORITY APPLN. INFO.:

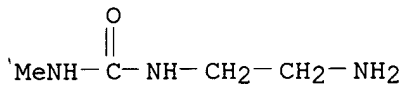
SE 1981-7574	19811217
EP 1982-850257	19821210
US 1982-450006	19821215
US 1983-482266	19830405
US 1984-621147	19840618

AB Phenoxyisopropanolamines I [R = H, alkyl, cycloalkyl, cycloalkylalkyl; R1 = H, Cl, Br, F; R2 = H, protective acyl group; R3, R4 = H, acyl, acyloxyalkyl; n = 2-4; R5, R6 = H, alkyl, hydroxyalkyl, alkoxyalkyl; NR5R6 = morpholino], useful as cardiovascular agents (no data), were prepd. by different methods. Glycidyl 4-(2-methoxyethoxy)phenyl ether was treated with N-(2-aminoethyl)-4-morpholinecarboxamide to give I (R-R4 = H, n = 2, NR5R6 = morpholino).

IT **75930-29-9**
RL: RCT (Reactant)
(ring cleavage by, of glycidyl aryl ethers)

RN 75930-29-9 CAPLUS

CN Urea, N-(2-aminoethyl)-N'-methyl- (9CI) (CA INDEX NAME)



L23 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1982:544557 CAPLUS

DOCUMENT NUMBER: 97:144557

TITLE: 3-Aminopropoxyphenyl derivatives and pharmaceutical compositions containing them

INVENTOR(S): Berthold, Richard; Louis, William John

PATENT ASSIGNEE(S): Sandoz A.-G., Switz.

SOURCE: Eur. Pat. Appl., 57 pp.
CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 52072	A1	19820519	EP 1981-810439	19811102
EP 52072	B1	19850220		
R: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE				
FI 8103412	A	19820507	FI 1981-3412	19811030
FI 76551	B	19880729		

FI 76551	C	19881110		
AT 11908	E	19850315	AT 1981-810439	19811102
DK 8104893	A	19820507	DK 1981-4893	19811104
DK 161310	B	19910624		
DK 161310	C	19911202		
JP 57108047	A2	19820705	JP 1981-175825	19811104
JP 02057540	B4	19901205		
ES 506842	A1	19831201	ES 1981-506842	19811104
US 4425362	A	19840110	US 1981-318292	19811104
IL 64213	A1	19860731	IL 1981-64213	19811104
HU 28421	O	19831228	HU 1981-3306	19811105
HU 185976	B	19850428		
SU 1160933	A3	19850607	SU 1981-3372598	19811105
CA 1213594	A1	19861104	CA 1981-389517	19811105
AU 8177171	A1	19820513	AU 1981-77171	19811106
AU 555619	B2	19861002		
ZA 8107702	A	19830629	ZA 1981-7702	19811106
US 5347050	A	19940913	US 1993-46937	19930413

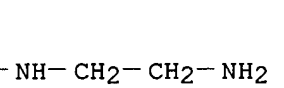
PRIORITY APPLN. INFO.:

CH 1980-8249	19801106
CH 1980-9347	19801218
CH 1981-4073	19810619
CH 1981-4074	19810619
EP 1981-810439	19811102
US 1981-318292	19811104
US 1984-567471	19840103
US 1985-778831	19850923
US 1986-897557	19860818
US 1988-173845	19880328
US 1989-307028	19890203
US 1989-399721	19890825
US 1990-474185	19900202
US 1990-584306	19900917
US 1991-782791	19911021

AB Title compds. I [R = alkyl, cycloalkyl, alkenyl, cycloalkylalkyl, (un)substituted aryl, aralkyl, aralkenyl; R1 = H, substituent; R2 = H, R; Q = alkylene; Q1 = bond, NH; Y = O, S; Z = O, n = 2, 3; Z = bond, n = 1-3;
when R2 = cycloalkylalkyl, R = alkyl, and Q1 = bond, the R1 = substituent]
or their physiol. acceptable hydrolyzable derivs. in esterified form, in either basic or salt forms, useful as cardioselective .beta.-adrenoreceptor blocking agents, were prepd. E.g., 4-PhCH2OC6H4OH was treated with 2-chloroethyl cyclopropylmethyl ether, and the resultant 1-benzyloxy-4-(2-cyclopropylmethoxyethoxy)benzene was debenzylated by hydrogenolysis. The resulting 4-(2-cyclopropylmethoxyethoxy)phenol was brominated, benzylated and treated with CuCN to give 2-benzyloxy-5-(2-cyclopropylmethoxyethoxy)benzonitrile. The latter was debenzylated by hydrogenolysis and treated with epichlorohydrin to give 2-(2,3-epoxypropoxy)-5-(2-cyclopropylmethoxyethoxy)benzonitrile. The latter was fused with 1-(2-aminoethyl)-3-phenylurea to give 1-[2-cyano-4-(2-cyclopropylmethoxyethoxy)phenoxy]-3-[2-(3-phenylureido)ethylamino]-2-propanol (II). II was an effective .beta.-adrenoreceptor blocking agent. Ca. 82 examples of I were prepd. from the corresponding epoxy compds.

IT **75930-29-9**
RL: RCT (Reactant)

(reaction of, with (epoxypropoxy)benzene derivs.)
RN 75930-29-9 CAPLUS
CN Urea, N-(2-aminoethyl)-N'-methyl- (9CI) (CA INDEX NAME)



L23 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1981:57984 CAPLUS
DOCUMENT NUMBER: 94:57984
TITLE: Potential inhibitors of nucleotide biosynthesis. 1. Nitrosoureidonucleosides. 2
AUTHOR(S): Montgomery, John A.; Thomas, H. Jeanette; Brockman, R. Wallace; Wheeler, Glynn P.
CORPORATE SOURCE: Kettering-Meyer Lab., South. Res. Inst., Birmingham, AL, 35255, USA
SOURCE: J. Med. Chem. (1981), 24(2), 184-9
CODEN: JMCMAR; ISSN: 0022-2623
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The title compds. I (R = H, Me, or cyclohexyl; R1 and R2 = H or NO; R3 = hypoxanthin-9-yl, thymin-1-yl, or uracil-1-yl; R4 = H or OH) were prepd. and evaluated for alkylating activity. The low level of biol. activity of I is apparently due to their stability compared to the known nitrosourea compds.
IT **75930-29-9P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and acylation of, by ribofuranuronic acid)
RN 75930-29-9 CAPLUS
CN Urea, N-(2-aminoethyl)-N'-methyl- (9CI) (CA INDEX NAME)

IT **75930-38-0P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 75930-38-0 CAPLUS
CN Urea, N-(2-aminoethyl)-N'-methyl-, compd. with 2,4,6-trinitrophenol (1:1) (9CI) (CA INDEX NAME)

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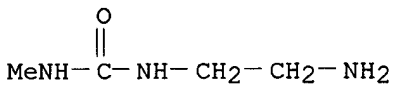
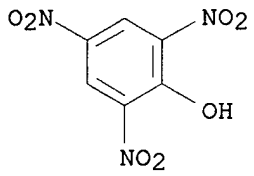
CRN 75930-29-9
CMF C4 H11 N3 O



CM 2

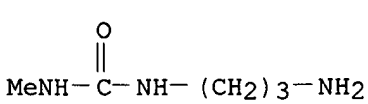
CRN 88-89-1
CMF C6 H3 N3 O7



L23 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1978:590538 CAPLUS
DOCUMENT NUMBER: 89:190538
TITLE: Method for the photometric determination of N-monosubstituted carbamates
AUTHOR(S): Schoene, K.; Steinhanses, J.
CORPORATE SOURCE: Inst. Aerobiol., Fraunhofer-Ges., Schmallenberg, Ger.
SOURCE: Fresenius' Z. Anal. Chem. (1978), 292(1), 29-33
CODEN: ZACFAU; ISSN: 0016-1152
DOCUMENT TYPE: Journal
LANGUAGE: German

AB N-monosubstituted carbamates were converted to urea derivs. by reaction with 1,3-diaminopropane in the presence of small amts. of NaOH. The urea derivs. were detd. spectrophotometrically at 577 nm by using the carbamide reaction described by W. R. Fearon (1939). The detection limit for N-methylcarbamates is in the range of 20 nmols. In the case of N-methylcarbamates, N-methyl-N'-(3-aminopropyl)urea was found to be the intermediate urea deriv., which is formed in nearly quant. yield. The amidation reaction mechanism of the N-methylcarbamates was studied on N-methylurethane.

IT **68156-37-6P**
RL: ANST (Analytical study); PREP (Preparation)
(prepn. of)
RN 68156-37-6 CAPLUS
CN Urea, N-(3-aminopropyl)-N'-methyl- (9CI) (CA INDEX NAME)



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L5        14060 S L4 FULL SUB=L3
L6         5399 S L5 AND 3/N
L7          734 S ETHYL(L)DIMETHYL(L)AMINO(L)PROPYL(L)UREA
L8            0 S UREA, "N-ETHYL-N'-(3-DIMETHYLAMINOPROPYL)-"
L9            4 S ETHYL(L)DIMETHYLAMINOPROPYL(L)UREA
L10           3 S L9 AND 1/NC
L11           1 S L10 AND 1/O

     FILE 'CAPLUS' ENTERED AT 10:52:57 ON 01 JUN 2001
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L13           2 S L11/THU

     FILE 'USPATFULL' ENTERED AT 10:55:19 ON 01 JUN 2001
L14           2 S L11

     FILE 'MARPAT' ENTERED AT 10:56:49 ON 01 JUN 2001
L15           0 S L11
L16           0 S L9

     FILE 'BEILSTEIN' ENTERED AT 10:57:15 ON 01 JUN 2001
L17           1 S L11

     FILE 'REGISTRY' ENTERED AT 10:57:49 ON 01 JUN 2001
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        375285 THU/RL
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                 (L22 (L) THU/RL)

=> file uspatful
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FULL ESTIMATED COST                              44.43     598.50

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)    SINCE FILE      TOTAL
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CA SUBSCRIBER PRICE                              -5.88     -15.88
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FILE 'USPATFULL' ENTERED AT 11:03:35 ON 01 JUN 2001

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 29 May 2001 (20010529/PD)
FILE LAST UPDATED: 29 May 2001 (20010529/ED)
HIGHEST PATENT NUMBER: US8411134
CA INDEXING IS CURRENT THROUGH 29 May 2001 (20010529/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 29 May 2001 (20010529/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Apr 2001
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Apr 2001

>>> Page images are available for patents from 1/1/1997. Current <<<
>>> week patent text is typically loaded by Thursday morning and <<<
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>>> Image data for the /FA field are available the following week. <<<

>>> Complete CA file indexing for chemical patents (or equivalents) <<<
>>> is included in file records. A thesaurus is available for the <<<
>>> USPTO Manual of Classifications in the /NCL, /INCL, and /RPCL <<<
>>> fields. This thesaurus includes catchword terms from the <<<
>>> USPTO/MOC subject headings and subheadings. Thesauri are also <<<
>>> available for the WIPO International Patent Classification <<<
>>> (IPC) Manuals, editions 1-6, in the /IC1, /IC2, /IC3, /IC4, <<<
>>> /IC5, and /IC (/IC6) fields, respectively. The thesauri in <<<
>>> the /IC5 and /IC fields include the corresponding catchword <<<
>>> terms from the IPC subject headings and subheadings. <<<

This file contains CAS Registry Numbers for easy and accurate
substance identification.

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L25 7 L22

=> d ibib ab hitstr 1-7

L25 ANSWER 1 OF 7 USPATFULL
ACCESSION NUMBER: 94:80134 USPATFULL
TITLE: 3-aminopropoxyphenyl derivatives, their preparation and
pharmaceutical compositions containing them
INVENTOR(S): Berthold, Richard, 9 Ahornstrasse, CH-4103 Bottmingen, Switzerland
Louis, William J., 3 Balmoral Avenue, Kew, 3101 Victoria, Australia

	NUMBER	DATE
PATENT INFORMATION:	US 5347050	19940913
APPLICATION INFO.:	US 1993-46937	19930413 (8)

RELATED APPLN. INFO.: Continuation of Ser. No. US 1991-782791, filed on 21 Oct 1991, now abandoned which is a continuation of Ser.
No. US 1990-584306, filed on 17 Sep 1990, now abandoned
which is a continuation of Ser. No. US 1990-474185, filed on 2 Feb 1990, now abandoned which is a

continuation of Ser. No. US 1989-399721, filed on 25 Aug 1989, now abandoned which is a continuation of Ser.

No. US 1989-307028, filed on 3 Feb 1989, now abandoned which is a continuation of Ser. No. US 1988-173845, filed on 28 Mar 1988, now abandoned which is a continuation of Ser. No. US 1986-897557, filed on 18 Aug 1986, now abandoned which is a continuation of Ser. No. US 1985-778831, filed on 23 Sep 1985, now abandoned

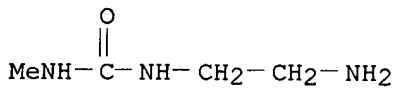
which is a continuation of Ser. No. US 1984-567471, filed on 3 Jan 1984, now abandoned which is a division of Ser. No. US 1981-318292, filed on 4 Nov 1981, now patented, Pat. No. US 4425362

	NUMBER	DATE
PRIORITY INFORMATION:	CH 1980-8249	19801106
	CH 1980-9347	19801218
	CH 1981-4073	19810619
	CH 1991-407481	19910619

DOCUMENT TYPE: Utility
PRIMARY EXAMINER: Dees, Jose G.
ASSISTANT EXAMINER: Carr, Deborah D.
LEGAL REPRESENTATIVE: Sughrue, Mion, Zinn, Macpeak & Seas
NUMBER OF CLAIMS: 7
EXEMPLARY CLAIM: 1
LINE COUNT: 1090
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The compounds of formula I, ##STR1## wherein the substituents have various significances, and physiologically acceptable hydrolyzable derivatives thereof having the hydroxy group in the 2 position of the 3-aminopropoxy side chain in esterified form, are useful as cardioselective .beta.-adrenoceptor blocking agents.

IT **75930-29-9**
(reaction of, with (epoxypropoxy)benzene derivs.)
RN 75930-29-9 USPATFULL
CN Urea, N-(2-aminoethyl)-N'-methyl- (9CI) (CA INDEX NAME)



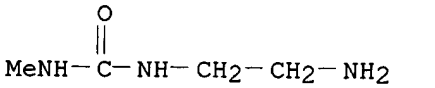
L25 ANSWER 2 OF 7 USPATFULL
ACCESSION NUMBER: 90:48806 USPATFULL
TITLE: 2-hydroxypropylamine aryl ester derivatives and pharmaceutical use
INVENTOR(S): Kam, Sheung T., Vernon Hills, IL, United States
Matier, William L., Libertyville, IL, United States
PATENT ASSIGNEE(S): E. I. Du Pont de Nemours and Company, Wilmington, DE, United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 4935421	19900619
APPLICATION INFO.:	US 1989-318147	19890301 (7)
RELATED APPLN. INFO.:	Division of Ser. No. US 1986-838082, filed on 10 Mar 1986, now patented, Pat. No. US 4810717 which is a division of Ser. No. US 1981-320773, filed on 21 Nov 1981, now patented, Pat. No. US 4582855	
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Ramsuer, Robert W.	
NUMBER OF CLAIMS:	27	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1470	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Novel compounds of the general formula ##STR1## wherein Ar represents a substituted or unsubstituted aromatic or heterocyclic group; W represents alkylene of from 1 to about 10 carbon atoms; and B represents --NR.sub.2 COR.sub.1, --NR.sub.2 CONR.sub.1 R.sub.3, --NR.sub.2 SO.sub.2 R.sub.1, --NR.sub.2 SO.sub.2 NR.sub.1 R.sub.3, or --NR.sub.2 COOR.sub.1 wherein R.sub.1, R.sub.2 and R.sub.3 may be the same or different and may be hydrogen, alkyl, alkoxyalkyl, cycloalkyl, alkenyl, alkynyl, aryl, heteroaryl, or aralkyl, except that R.sub.1 is not hydrogen when B is --NR.sub.2 SO.sub.2 R.sub.1 or --NR.sub.2 COOR.sub.1, or R.sub.1 and R.sub.3 may together with N form a 5 to 7 membered heterocyclic group; and the pharmaceutically acceptable salts thereof. These compounds exhibit .beta.-adrenergic blocking activity and are also useful in the treatment of glaucoma.

IT **75930-29-9P**
(prepn. of)
RN 75930-29-9 USPATFULL
CN Urea, N-(2-aminoethyl)-N'-methyl- (9CI) (CA INDEX NAME)



L25 ANSWER 3 OF 7 USPATFULL

ACCESSION NUMBER:	89:17318 USPATFULL
TITLE:	2-hydroxypropylamine aryl ester derivatives
INVENTOR(S):	Kam, Sheung T., Vernon Hills, IL, United States Matier, William L., Libertyville, IL, United States
PATENT ASSIGNEE(S):	E. I. du Pont de Nemours and Company, Wilmington, DE, United States (U.S. corporation)

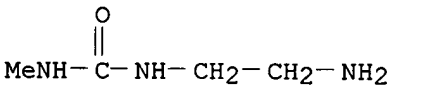
	NUMBER	DATE
PATENT INFORMATION:	US 4810717	19890307
APPLICATION INFO.:	US 1986-838082	19860310 (6)
RELATED APPLN. INFO.:	Division of Ser. No. US 1981-320773, filed on 12 Nov 1981, now patented, Pat. No. US 4582855	

09/350,193

DOCUMENT TYPE: Utility
PRIMARY EXAMINER: Lee, Mary C.
ASSISTANT EXAMINER: Whittenbaugh, Robert C.
LEGAL REPRESENTATIVE: Fato, Gildo E.
NUMBER OF CLAIMS: 33
EXEMPLARY CLAIM: 1,11
LINE COUNT: 1764
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Novel compounds of the general formula ##STR1## wherein Ar represents a substituted or unsubstituted aromatic or heterocyclic group; W represents alkylene of from 1 to about 10 carbon atoms; and B represents --NR.sub.2 COR.sub.1, --NR.sub.2 CONR.sub.1 R.sub.3, --NR.sub.2 SO.sub.2 R.sub.1, --NR.sub.2 SO.sub.2 NR.sub.1 R.sub.3, or --NR.sub.2 COOR.sub.1 wherein R.sub.1, R.sub.2 and R.sub.3 may be the same or different and may be hydrogen, alkyl, alkoxyalkyl, cycloalkyl, alkenyl, alkynyl, aryl, heteroaryl, or aralkyl, except that R.sub.1 is not hydrogen when B is --NR.sub.2 SO.sub.2 R.sub.1 or --NR.sub.2 COOR.sub.1, or R.sub.1 and R.sub.3 may together with N form a 5 to 7 membered heterocyclic group; and the pharmaceutically acceptable salts thereof. These compounds exhibit .beta.-adrenergic blocking activity and are also useful in the treatment of glaucoma.

IT **75930-29-9P**
(prepn. of)
RN 75930-29-9 USPATFULL
CN Urea, N-(2-aminoethyl)-N'-methyl- (9CI) (CA INDEX NAME)



L25 ANSWER 4 OF 7 USPATFULL
ACCESSION NUMBER: 89:4612 USPATFULL
TITLE: 2-hydroxypropylamine heteroaryl ester derivatives
INVENTOR(S): Kam, Sheung T., Chicago, IL, United States
Matier, William L., Libertyville, IL, United States
Patil, Ghanshyam, Vernon Hills, IL, United States
Mai, Khuong H. X., Waukegan, IL, United States
PATENT ASSIGNEE(S): E. I. Du Pont de Nemours and Company, Wilmington, DE, United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 4798892	19890117
APPLICATION INFO.:	US 1986-851629	19860414 (6)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1981-320773, filed on 12 Nov 1981, now patented, Pat. No. US 4582855, issued on 15 Apr 1986
DOCUMENT TYPE: Utility
PRIMARY EXAMINER: Raymond, Richard L.
LEGAL REPRESENTATIVE: Fato, Gildo E.

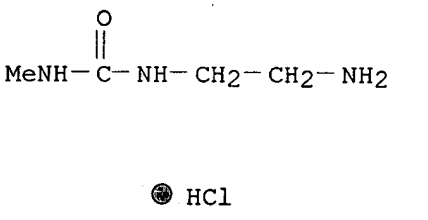
NUMBER OF CLAIMS: 9
EXEMPLARY CLAIM: 1
LINE COUNT: 1391
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to compounds of the general formula ##STR1## wherein Ar represents a substituted or unsubstituted heterocyclic group; W represents alkylene of from 1 to about 10 carbon atoms; and B represents --NR.sub.2 COR.sub.1, --NR.sub.2 CONR.sub.1 R.sub.3, --NR.sub.2 SO.sub.2 R.sub.1, NR.sub.2 SO.sub.2 NR.sub.1 R.sub.3, or --NR.sub.2 COOR.sub.1, wherein R.sub.1, R.sub.2 and R.sub.3 may be alike or different and may be hydrogen, alkyl, alkoxyalkyl cycloalkyl, alkenyl, alkynyl, aryl, heteroaryl, or aralkyl, except that R.sub.1 is not hydrogen when B is --NR.sub.2 SO.sub.2 R.sub.1 or --NR.sub.2 COOR.sub.1, or R.sub.1 and R.sub.3 may together with N form a 5 to 7 membered heterocyclic group and the pharmaceutically acceptable salts thereof. The compounds exhibit beta-adrenergic blocking activity and are also useful in the treatment of glaucoma.

IT **122036-80-0P**
(prepn. and reaction of, in prepn. of .beta.-adrenergic blockers)

RN 122036-80-0 USPATFULL

CN Urea, N-(2-aminoethyl)-N'-methyl-, monohydrochloride (9CI) (CA INDEX NAME)



L25 ANSWER 5 OF 7 USPATFULL

ACCESSION NUMBER: 87:3253 USPATFULL

TITLE: Para-substituted 3-phenoxy-1-carbonylamino-alkylamino-propanol compounds, beta receptor blocking compositions and use

INVENTOR(S): Gustafsson, Bill B. R., Bollebygd, Sweden
Hedberg, Sven A., Gr.ang.bo, Sweden
Lundgren, Bo T., Frilles.ang.s, Sweden

PATENT ASSIGNEE(S): Aktiebolaget Hassle, Molndal, Sweden (non-U.S. corporation)

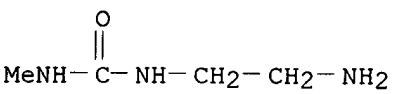
	NUMBER	DATE
PATENT INFORMATION:	US 4636501	19870113
APPLICATION INFO.:	US 1985-757763	19850722 (6)

RELATED APPLN. INFO.: Continuation of Ser. No. US 1984-621147, filed on 18 Jun 1984, now abandoned which is a continuation of Ser. No. US 1983-482266, filed on 5 Apr 1983, now abandoned which is a continuation-in-part of Ser. No. US

1982-450006, filed on 15 Dec 1982, now abandoned

	NUMBER	DATE
PRIORITY INFORMATION:	SE 1981-7574	19811217

DOCUMENT TYPE: Utility
PRIMARY EXAMINER: Ramsuer, Robert W.
LEGAL REPRESENTATIVE: Brumbaugh, Graves, Donohue & Raymond
NUMBER OF CLAIMS: 18
EXEMPLARY CLAIM: 1,9
LINE COUNT: 1017
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Compounds of the formula ##STR1## having beta receptor blocking properties, are disclosed.
IT **75930-29-9**
(ring cleavage by, of glycidyl aryl ethers)
RN 75930-29-9 USPATFULL
CN Urea, N-(2-aminoethyl)-N'-methyl- (9CI) (CA INDEX NAME)



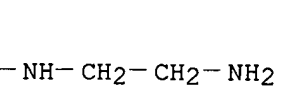
L25 ANSWER 6 OF 7 USPATFULL
ACCESSION NUMBER: 86:21877 USPATFULL
TITLE: Aromatic and esters of hydroxypropylamines
INVENTOR(S): Kam, Sheung T., Vernon Hills, IL, United States
Matier, William L., Libertyville, IL, United States
PATENT ASSIGNEE(S): American Hospital Supply Corporation, Evanston, IL, United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 4582855	19860415
APPLICATION INFO.:	US 1981-320773	19811112 (6)

DOCUMENT TYPE: Utility
PRIMARY EXAMINER: Jiles, Henry R.
ASSISTANT EXAMINER: Whittenbaugh, Robert C.
LEGAL REPRESENTATIVE: Kanady, Mary Jo; Barbeau, Donald L.; Fato, Gildo E.
NUMBER OF CLAIMS: 57
EXEMPLARY CLAIM: 1,30
LINE COUNT: 1804
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Novel compounds of the general formula ##STR1## wherein Ar represents a substituted or unsubstituted aromatic or heterocyclic group; W represents alkylene of from 1 to about 10 carbon atoms; and B represents
--NR.sub.2 COR.sub.1, --NR.sub.2 CONR.sub.1 R.sub.3, --NR.sub.2 SO.sub.2
R.sub.1, --NR.sub.2 SO.sub.2 NR.sub.1 R.sub.3, or --NR.sub.2 COOR.sub.1 wherein R.sub.1, R.sub.2 and R.sub.3 may be the same or different and may be hydrogen, alkyl, alkoxyalkyl, cycloalkyl, alkenyl, alkynyl, aryl,

heteroaryl, or aralkyl, except that R.sub.1 is not hydrogen when B is --NR.sub.2 SO.sub.2 R.sub.1 or --NR.sub.2 COOR.sub.1, or R.sub.1 and R.sub.3 may together with N form a 5 to 7 momoered heterocyclic group; and the pharmaceutically acceptable salts thereof. These compounds exhibit .beta.-adrenergic blocking activity and are also useful in the treatment of glaucoma.

IT **75930-29-9P**
(prepn. of)
RN 75930-29-9 USPATFULL
CN Urea, N-(2-aminoethyl)-N'-methyl- (9CI) (CA INDEX NAME)



L25 ANSWER 7 OF 7 USPATFULL

ACCESSION NUMBER:	84:2057 USPATFULL
TITLE:	3-Aminopropoxyphenyl derivatives and pharmaceutical compositions containing them
INVENTOR(S):	Berthold, Richard, Bottmingen, Switzerland Louis, William J., Kew, Australia
PATENT ASSIGNEE(S):	Sandoz Ltd., Basel, Switzerland (non-U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 4425362	19840110
APPLICATION INFO.:	US 1981-318292	19811104 (6)

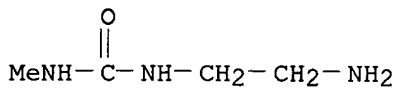
	NUMBER	DATE
PRIORITY INFORMATION:	CH 1980-8249	19801106
	CH 1980-9347	19801218
	CH 1981-4073	19810619
	CH 1981-4074	19810619

DOCUMENT TYPE:	Utility
PRIMARY EXAMINER:	Torrence, Dolph H.
LEGAL REPRESENTATIVE:	Sharkin, Gerald D.; Honor, Robert S.
NUMBER OF CLAIMS:	11
EXEMPLARY CLAIM:	1,10
LINE COUNT:	1101

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The compounds of formula I, ##STR1## wherein the substituents have various significances, and physiologically acceptable hydrolyzable derivatives thereof having the hydroxy group in the 2 position of the 3-aminopropoxy side chain in esterified form, are useful as cardioselective .beta.-adrenoceptor blocking agents.

IT **75930-29-9**
(reaction of, with (epoxypropoxy)benzene derivs.)
RN 75930-29-9 USPATFULL
CN Urea, N-(2-aminoethyl)-N'-methyl- (9CI) (CA INDEX NAME)



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FULL ESTIMATED COST                                      36.50     635.00

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)            SINCE FILE      TOTAL
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CA SUBSCRIBER PRICE                                       0.00     -15.88

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USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2001 American Chemical Society (ACS)

STRUCTURE FILE UPDATES:   30 MAY 2001  HIGHEST RN 339046-06-9
DICTIONARY FILE UPDATES:  30 MAY 2001  HIGHEST RN 339046-06-9

TSCA INFORMATION NOW CURRENT THROUGH January 11, 2001

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Structure search limits have been increased.  See HELP SLIMIT
for details.

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L2          50 S L1
L3       36270 S L1 FULL
L4             STRUCTURE UPLOADED
L5       14060 S L4 FULL SUB=L3
L6        5399 S L5 AND 3/N
L7         734 S ETHYL(L)DIMETHYL(L)AMINO(L)PROPYL(L)UREA
L8           0 S UREA, "N-ETHYL-N'-(3-DIMETHYLAMINOPROPYL)-"
L9           4 S ETHYL(L)DIMETHYLAMINOPROPYL(L)UREA
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L11          1 S L10 AND 1/O

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     FILE 'USPATFULL' ENTERED AT 10:55:19 ON 01 JUN 2001
L14          2 S L11
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L16           0 S L9

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L17           1 S L11

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L25           7 S L22

     FILE 'REGISTRY' ENTERED AT 11:05:41 ON 01 JUN 2001

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FULL SCREEN SEARCH COMPLETED -  54245 TO ITERATE

100.0% PROCESSED   54245 ITERATIONS                          11247 ANSWERS
SEARCH TIME: 00.00.05

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L26  11247 ANSWERS   REGISTRY  COPYRIGHT 2001 ACS
IN   Urea,
N-[1-[(3,4-dichlorophenyl)methyl]-1,6-dihydro-6-oxo-3-pyridinyl]-N'-
     [3-(dimethylamino)propyl]- (9CI)
MF   C18 H22 Cl2 N4 O2
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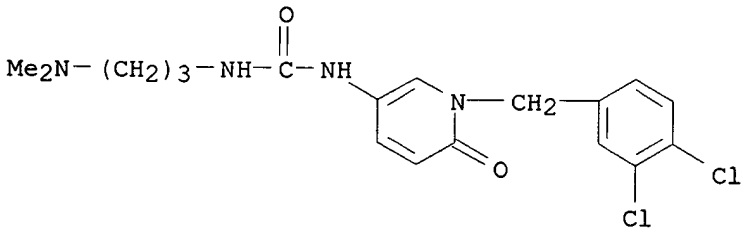


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L26  11247 ANSWERS   REGISTRY  COPYRIGHT 2001 ACS
IN   Urea, N-[2-[[[(4-methylphenyl)amino]carbonyl]amino]ethyl]-N'-(4-
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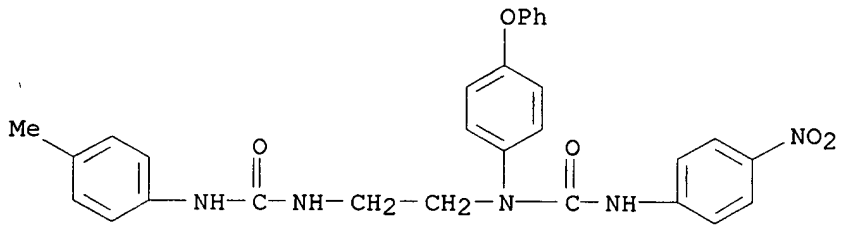
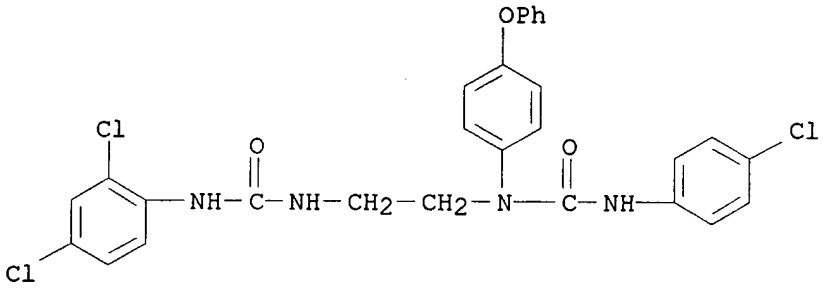
nitrophenyl)-N-(4-phenoxyphenyl)- (9CI)
MF C29 H27 N5 O5



L26 11247 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Urea,
N'-(4-chlorophenyl)-N-[2-[[[(2,4-dichlorophenyl)amino]carbonyl]amino
]ethyl]-N-(4-phenoxyphenyl)- (9CI)
MF C28 H23 Cl3 N4 O3



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

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L27 STRUCTURE UPLOADED

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L3 36270 S L1 FULL
L4 STRUCTURE UPLOADED
L5 14060 S L4 FULL SUB=L3
L6 5399 S L5 AND 3/N
L7 734 S ETHYL(L)DIMETHYL(L)AMINO(L)PROPYL(L)UREA
L8 0 S UREA, "N-ETHYL-N'-(3-DIMETHYLAMINOPROPYL)-"
L9 4 S ETHYL(L)DIMETHYLAMINOPROPYL(L)UREA

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L10             3 S L9 AND 1/NC
L11             1 S L10 AND 1/O

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     FILE 'USPATFULL' ENTERED AT 10:55:19 ON 01 JUN 2001
L14             2 S L11

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L15             0 S L11
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     FILE 'BEILSTEIN' ENTERED AT 10:57:15 ON 01 JUN 2001
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     FILE 'REGISTRY' ENTERED AT 10:57:49 ON 01 JUN 2001
L18               STRUCTURE UPLOADED
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     FILE 'CAPLUS' ENTERED AT 11:01:43 ON 01 JUN 2001
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     FILE 'USPATFULL' ENTERED AT 11:03:35 ON 01 JUN 2001
L25             7 S L22

     FILE 'REGISTRY' ENTERED AT 11:05:41 ON 01 JUN 2001
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100.0% PROCESSED   11247 ITERATIONS                          3145 ANSWERS
SEARCH TIME: 00.00.02

L28          3145 SEA SUB=L26 SSS FUL L27

=> d scan

L28  3145 ANSWERS   REGISTRY  COPYRIGHT 2001 ACS
IN   Urea,
N-[6-bromo-2-(3-thienyl)-4-quinolinyl]-N'-[3-(dimethylamino)propyl]-
     (9CI)
MF   C19 H21 Br N4 O S
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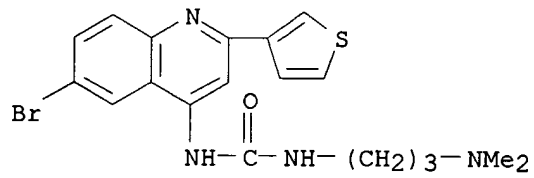
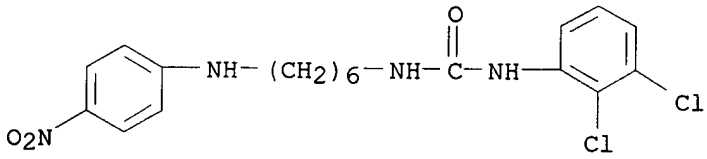


HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L28 3145 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Urea, N-(2,3-dichlorophenyl)-N'-[6-[(4-nitrophenyl)amino]hexyl]- (9CI)
MF C19 H22 Cl2 N4 O3



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

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L29 STRUCTURE UPLOADED

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L6 5399 S L5 AND 3/N
L7 734 S ETHYL(L)DIMETHYL(L)AMINO(L)PROPYL(L)UREA
L8 0 S UREA, "N-ETHYL-N'-(3-DIMETHYLAMINOPROPYL)-"
L9 4 S ETHYL(L)DIMETHYLAMINOPROPYL(L)UREA
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L11 1 S L10 AND 1/O

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L14 2 S L11

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L26       11247 S L18 FULL
L27             STRUCTURE UPLOADED
L28        3145 S L27 FULL SUB=L26
L29             STRUCTURE UPLOADED

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100.0% PROCESSED    3145 ITERATIONS                          1523 ANSWERS
SEARCH TIME: 00.00.04

L30         1523 SEA SUB=L28 SSS FUL L29

=> d scan

L30  1523 ANSWERS   REGISTRY  COPYRIGHT 2001 ACS
IN   4,6,15,17-Tetraazaeicosane-1,3,18,20-tetracarboxylic acid, 5,16-dioxo-,
     3,18-dimethyl ester, (3S,18S)- (9CI)
MF   C22 H38 N4 O10

Absolute stereochemistry.
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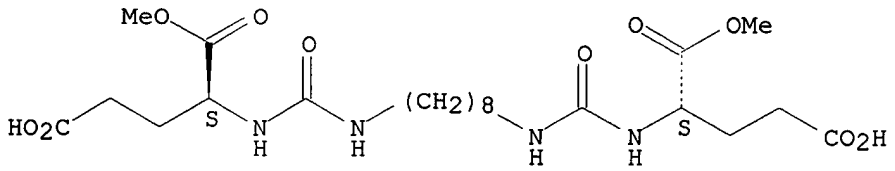


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L2           50 S L1
L3        36270 S L1 FULL
L4             STRUCTURE UPLOADED
L5        14060 S L4 FULL SUB=L3
L6         5399 S L5 AND 3/N
L7          734 S ETHYL(L)DIMETHYL(L)AMINO(L)PROPYL(L)UREA
L8            0 S UREA, "N-ETHYL-N'-(3-DIMETHYLAMINOPROPYL)-"
L9            4 S ETHYL(L)DIMETHYLAMINOPROPYL(L)UREA
L10           3 S L9 AND 1/NC
L11           1 S L10 AND 1/O

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L14           2 S L11

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     FILE 'REGISTRY' ENTERED AT 10:57:49 ON 01 JUN 2001
L18             STRUCTURE UPLOADED
L19       11247 S L18 FULL SUB=L3
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     FILE 'CAPLUS' ENTERED AT 11:01:43 ON 01 JUN 2001
L23          10 S L22
L24           0 S L22/THU

     FILE 'USPATFULL' ENTERED AT 11:03:35 ON 01 JUN 2001
L25           7 S L22

     FILE 'REGISTRY' ENTERED AT 11:05:41 ON 01 JUN 2001
L26       11247 S L18 FULL
L27             STRUCTURE UPLOADED
L28        3145 S L27 FULL SUB=L26
L29             STRUCTURE UPLOADED
L30        1523 S L29 FULL SUB=L28

=> s l30 and 1/o
      2846307 1/O
L31         381 L30 AND 1/O
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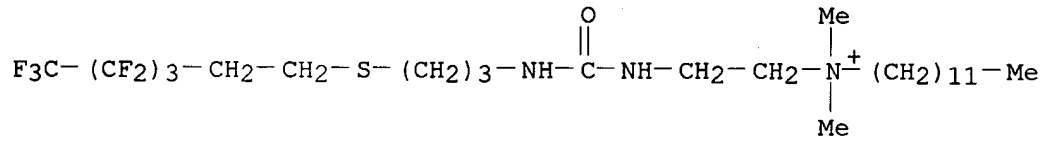
=> d scan

L31 381 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 1-Dodecanaminium, N,N-dimethyl-N-[2-[[[[3-[(3,3,4,4,5,5,6,6,6-nonafluorohexyl)thio]propyl]amino]carbonyl]amino]ethyl]-, bromide (9CI)
MF **C26 H47 F9 N3 O S . Br**

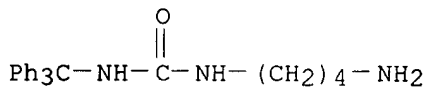


HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> s l31 not s/els
4193743 S/ELS
L32 331 L31 NOT S/ELS

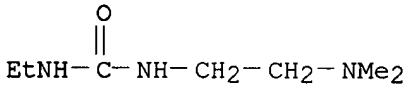
=> d scan

L32 331 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Urea, N-(4-aminobutyl)-N'-(triphenylmethyl)- (9CI)
MF **C24 H27 N3 O**



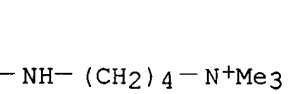
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L32 331 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Urea, N-[2-(dimethylamino)ethyl]-N'-ethyl-, monohydrochloride (9CI)
MF **C7 H17 N3 O . Cl H**



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L32 331 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 1-Butanaminium, N,N,N-trimethyl-4-[[(methylamino)carbonyl]amino]- (9CI)
MF **C9 H22 N3 O**
CI COM



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

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FULL ESTIMATED COST	208.50	843.50

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-15.88

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FILE COVERS 1947 - 1 Jun 2001 VOL 134 ISS 23
FILE LAST UPDATED: 30 May 2001 (20010530/ED)

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L3 36270 S L1 FULL
L4 STRUCTURE UPLOADED
L5 14060 S L4 FULL SUB=L3
L6 5399 S L5 AND 3/N
L7 734 S ETHYL(L)DIMETHYL(L)AMINO(L)PROPYL(L)UREA
L8 0 S UREA, "N-ETHYL-N'-(3-DIMETHYLAMINOPROPYL)-"
L9 4 S ETHYL(L)DIMETHYLAMINOPROPYL(L)UREA
L10 3 S L9 AND 1/NC
L11 1 S L10 AND 1/O

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L14 2 S L11

FILE 'MARPAT' ENTERED AT 10:56:49 ON 01 JUN 2001
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L16 0 S L9

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L20 50 S L18
L21 0 S L18 CSS
L22 8 S L18 CSS FULL

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L24 0 S L22/THU

FILE 'USPATFULL' ENTERED AT 11:03:35 ON 01 JUN 2001
L25 7 S L22

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L28 3145 S L27 FULL SUB=L26
L29 STRUCTURE UPLOADED
L30 1523 S L29 FULL SUB=L28
L31 381 S L30 AND 1/O

L32 331 S L31 NOT S/ELS

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375285 THU/RL
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(L32 (L) THU/RL)

=> d ibib ab hitstr 1-14

L33 ANSWER 1 OF 14 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 2001:338479 CAPLUS
TITLE: Preparation of amides and ureas as activators of soluble guanylate cyclase
INVENTOR(S): Selwood, David; Glen, Robert; Reynolds, Karen; Wishart, Grant
PATENT ASSIGNEE(S): University College London, UK
SOURCE: PCT Int. Appl., 101 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001032604	A1	20010510	WO 2000-GB4249	20001106

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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

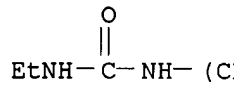
PRIORITY APPLN. INFO.: GB 1999-26286 A 19991105
US 2000-201382 P 20000502

AB The title compds. R4PZNR1R2 [I; R1, R2 = alkyl; R1R2 together form alkylene; Z = alkylene; P = a direct bond, X, Y, W, XY, YW, XYW (wherein W = O, S, NR3; R3 = H, alkyl; Y = UV; V = a direct bond, alkylene; U = CS, CO, SO2, C(:NR); R = H, OH, alkyl; X = O, NR6; R6 = H, alkyl, alkenyl, etc.); R4 = alkyl, alkenyl, alkynyl, etc.], useful in the activation of sol. guanylate cyclase, were prepd. E.g., synthesis of the urea II, starting with 4-bromoaniline and 1-(3-aminopropyl)pyrrolidine, was given. Biol. data for compds. I (e.g., IC50 for inhibition of platelet aggregation) were presented.

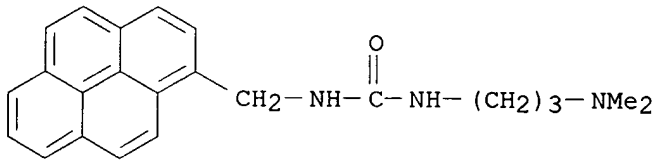
IT **32897-26-0P 338980-63-5P**
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); **THU (Therapeutic use)**; BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of amides and ureas as activators of sol. guanylate cyclase)

RN 32897-26-0 CAPLUS

CN Urea, N-[3-(dimethylamino)propyl]-N'-ethyl- (9CI) (CA INDEX NAME)



RN 338980-63-5 CAPLUS
CN Urea, N-[3-(dimethylamino)propyl]-N'-(1-pyrenylmethyl)- (9CI) (CA INDEX NAME)



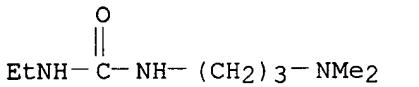
REFERENCE COUNT: 24
REFERENCE(S): (8) Catanese, B; BOLLETTINO CHIMICO FARMACEUTICO 1986, V125(7), P228 CAPLUS
(9) Farbenfabriken Bayer Ag; DE 890958 C CAPLUS
(10) Glen, R; WO 0027394 A 2000 CAPLUS
(12) Hoechst Marion Roussel de Gmbh; EP 0908456 A 1999 CAPLUS
(13) Hoechst Marion Roussel de Gmbh; DE 19756388 A 1999 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L33 ANSWER 2 OF 14 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 2000:725451 CAPLUS
DOCUMENT NUMBER: 133:286497
TITLE: Immunomodulatory compositions and methods of use thereof
INVENTOR(S): Onderdonk, Andrew B.; Tzianabos, Arthur O.; Miller, Robert J.; Calias, Pericles
PATENT ASSIGNEE(S): Genzyme Corporations, USA
SOURCE: PCT Int. Appl., 62 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

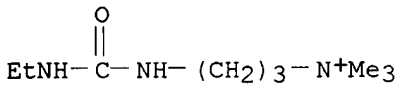
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000059490	A2	20001012	WO 2000-US9087	20000406
WO 2000059490	A3	20010215		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU,

LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE,
SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW,
AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
PRIORITY APPLN. INFO.: US 1999-128177 P 19990406
OTHER SOURCE(S): MARPAT 133:286497
AB The invention relates to immunomodulatory compns. and related methods. The immunomodulatory compns. are useful for the prevention of sepsis and the treatment and prevention of diseases assocd. with inflammation and/or NOS. CM-cellulose/N-ethyl-N'-(3-dimethylaminopropyl)urea formulations are described.
IT **32897-26-0 121007-41-8**
RL: **THU (Therapeutic use)**; BIOL (Biological study); USES (Uses)
(immunomodulatory compns.)
RN 32897-26-0 CAPLUS
CN Urea, N-[3-(dimethylamino)propyl]-N'-ethyl- (9CI) (CA INDEX NAME)



RN 121007-41-8 CAPLUS
CN 1-Propanaminium, 3-[[(ethylamino)carbonyl]amino]-N,N,N-trimethyl-, iodide (9CI) (CA INDEX NAME)



L33 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 2000:368337 CAPLUS
DOCUMENT NUMBER: 133:4656
TITLE: Preparation of heteroarylpyrazoles as p38 kinase inhibitors
INVENTOR(S): Anantanarayan, Ashok; Clare, Michael; Collins, Paul W.; Crich, Joyce Z.; Devraj, Rajesh; Flynn, Daniel L.; Geng, Lifeng; Graneto, Matthew J.; Hanau, Cathleen E.; Hanson, Gunnar J.; Hartmann, Susan J.; Hepperle, Michael; Huang, He; Khanna, Ish K.; Koszyk, Francis J.; Liao, Shuyuan; Metz, Suzanne; Partis, Richard A.; Perry, Thao D.; Rao, Shashidhar N.; Selness, Shaun Raj; South, Michael S.; Stealey, Michael A.; et al.

PATENT ASSIGNEE(S): G.D. Searle & Co., USA
SOURCE: PCT Int. Appl., 1210 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000031063	A1	20000602	WO 1999-US26007	19991117

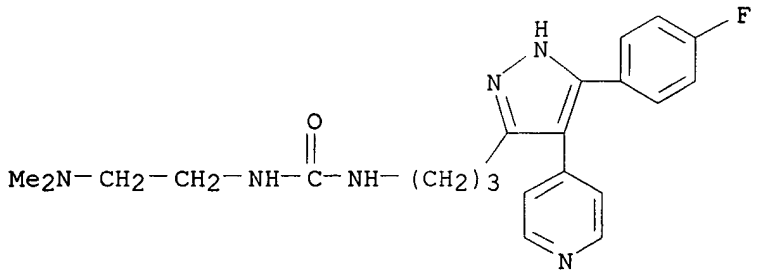
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 1998-196623 A 19981120
OTHER SOURCE(S): MARPAT 133:4656

AB Title compds. [I; R1 = H, OH, NH2, (cyclo)alk(en)yl, acyl, aryl, etc.; R2 = H, halo, alkyl, alkoxy, (un)substituted piperidinyl, etc.; R3 = pyridyl, pyrimidinyl, quinolyl, etc.; R4 = H, alkyl, heterocyclyl, aryl, etc.] were prepd. by reaction of ketones with hydrazines. Thus, R3CH2COMe (R3 = 4-pyridinyl) was condensed with 3,4-F(MeO)C6H3CHO and the product cyclocondensed with TsNHNH2 to give title compd. II. Data for biol. activity of I were given.

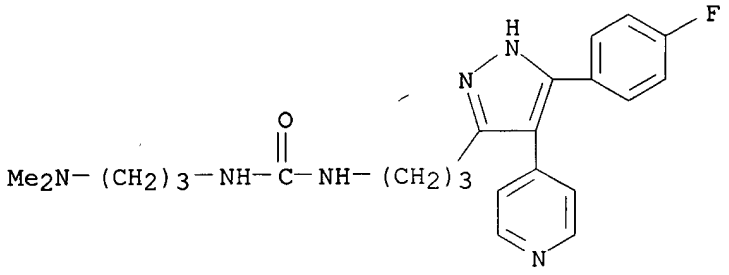
IT **216523-08-9P 216523-09-0P**
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); **THU (Therapeutic use)**; BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of heteroarylpyrazole p38 kinase inhibitors by cyclocondensation of hydrazines with ketones)

RN 216523-08-9 CAPLUS
CN Urea, N-[2-(dimethylamino)ethyl]-N'-[3-[5-(4-fluorophenyl)-4-(4-pyridinyl)-1H-pyrazol-3-yl]propyl]- (9CI) (CA INDEX NAME)



RN 216523-09-0 CAPLUS

CN Urea, N-[3-(dimethylamino)propyl]-N'-[3-[5-(4-fluorophenyl)-4-(4-pyridinyl)-1H-pyrazol-3-yl]propyl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 10
REFERENCE(S):
(1) Anantanarayan, A; WO 9852937 A 1998 CAPLUS
(2) Anantanarayan, A; WO 9852940 A 1998 CAPLUS
(3) Fujisawa Pharmaceutical Co; EP 0531901 A 1993 CAPLUS
(4) Lilly Co Eli; EP 0846687 A 1998 CAPLUS
(5) Oku Teruo; WO 9419350 A 1994 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L33 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 2000:307141 CAPLUS
DOCUMENT NUMBER: 132:331676
TITLE: Fluorescence immunoassays using analyte (analog)-conjugated porphyrin-silicon complex fluorescent dyes free of aggregation and serum binding
INVENTOR(S): Devlin, Robert Francis; Dandliker, Walter Beach; Arrhenius, Peter Olaf Gustaf
PATENT ASSIGNEE(S): Hyperion, Inc., USA
SOURCE: U.S., 58 pp., Cont.-in-part of U.S. 5,880,287.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 9
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6060598	A	20000509	US 1997-874820	19970613
US 5403928	A	19950404	US 1991-701449	19910515
US 5641878	A	19970624	US 1994-333603	19941102
US 5677199	A	19971014	US 1994-346098	19941129
US 5880287	A	19990309	US 1995-476544	19950606

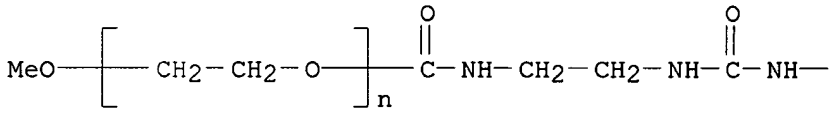
PRIORITY APPLN. INFO.:
US 1990-523601 B2 19900515
US 1990-524212 B2 19900515
US 1991-701449 A3 19910515
US 1991-701465 B1 19910515
US 1994-333603 A2 19941102
US 1994-346098 A2 19941129
US 1995-476544 A2 19950606

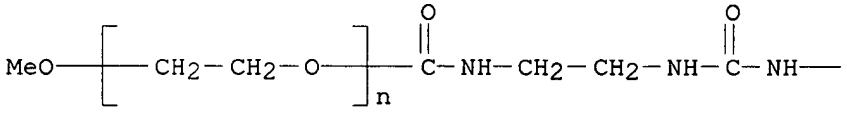
AB Fluorescence immunoassay methods are provided which use fluorescent dyes which are free of aggregation and serum binding. Such immunoassay methods are thus, particularly useful for the assay of biol. fluids, such as serum, plasma, whole blood and urine. The compds. of the invention, whose prepn. is described, include silicon complexes with porphyrin derivs. which are linked to an analyte or analog thereof , e.g. a caged dicarboxy silicon phthalocyanine digoxin probe.

IT **267422-47-9P**
RL: ARG (Analytical reagent use); BUU (Biological use, unclassified); PRP (Properties); SPN (Synthetic preparation); **THU (Therapeutic use)** ; ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)
(fluorescence immunoassays using analyte (analog)-conjugated porphyrin-silicon complex fluorescent dyes free of aggregation and serum binding)

RN 267422-47-9 CAPLUS

CN Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-methoxy-, ester with hydrogen (OC-6-13)-[3-[[[(5.beta.,12.beta.,14.beta.)-21,23-epoxy-12,14-dihydroxy-23-oxo-24-norchol-20(22)-en-3-yl]amino]carbonyl]-29H,31H-phthalocyanine-2-carboxylato(3-)-.kappa.N29,.kappa.N30,.kappa.N31,.kappa.N32]bis[[2-[[[[3-[(hydroxy-.kappa.O)dimethylsilyl]propyl]amino]carbonyl]aminoll]ethyl]carbamato]silicate(1-) (2:1) (9CI) (CA INDEX NAME)





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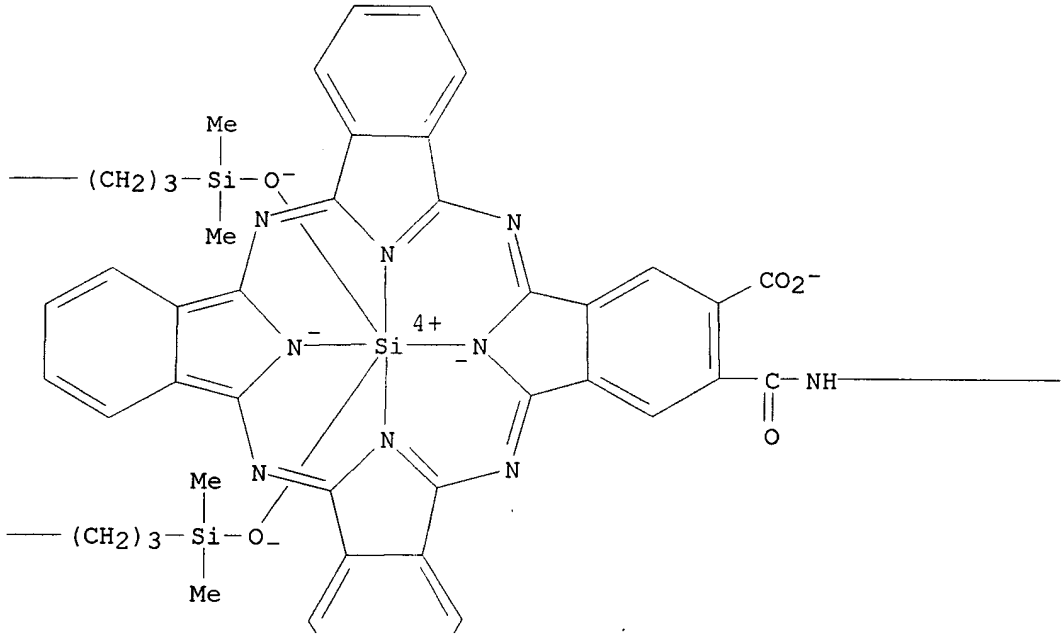

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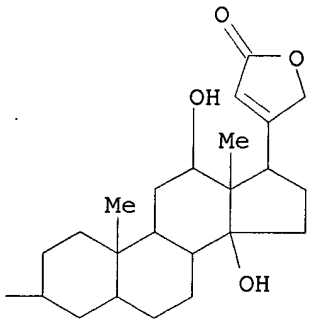


PAGE 2-A

H^+

PAGE 2-A

● H^+

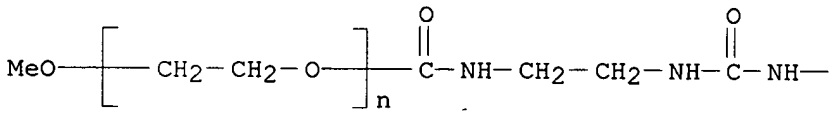
PAGE 2-B

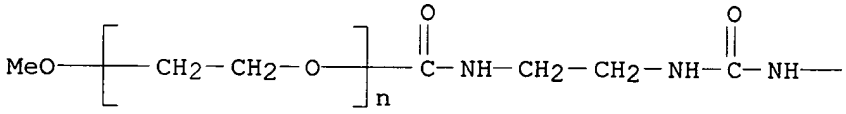
IT **267422-48-0P 267422-49-1P 267422-50-4P**
267422-51-5P 267422-52-6P 267422-53-7P
267422-54-8P
RL: ARG (Analytical reagent use); BUU (Biological use, unclassified); SPN (Synthetic preparation); **THU (Therapeutic use)**; ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)
(fluorescence immunoassays using analyte (analog)-conjugated porphyrin-silicon complex fluorescent dyes free of aggregation and serum binding)

RN 267422-48-0 CAPLUS

CN Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-methoxy-, ester with hydrogen
(OC-6-13)-[3-[[[(5.beta.,14.beta.)-21,23-epoxy-14-hydroxy-23-oxo-24-norchol-20(22)-en-3-yl]aminol]carbonyl]-29H,31H-phthalocyanine-2-carboxylato(3-)-.kappa.N29,.kappa.N30,.kappa.N31,.kappa.N32]bis[[2-[[[3-[(hydroxy-.kappa.O)dimethylsilyl]propyl]amino]carbonyl]aminol]ethyl]carbamato]silicate(1-) (2:1) (9CI) (CA INDEX NAME)

PAGE 1-A





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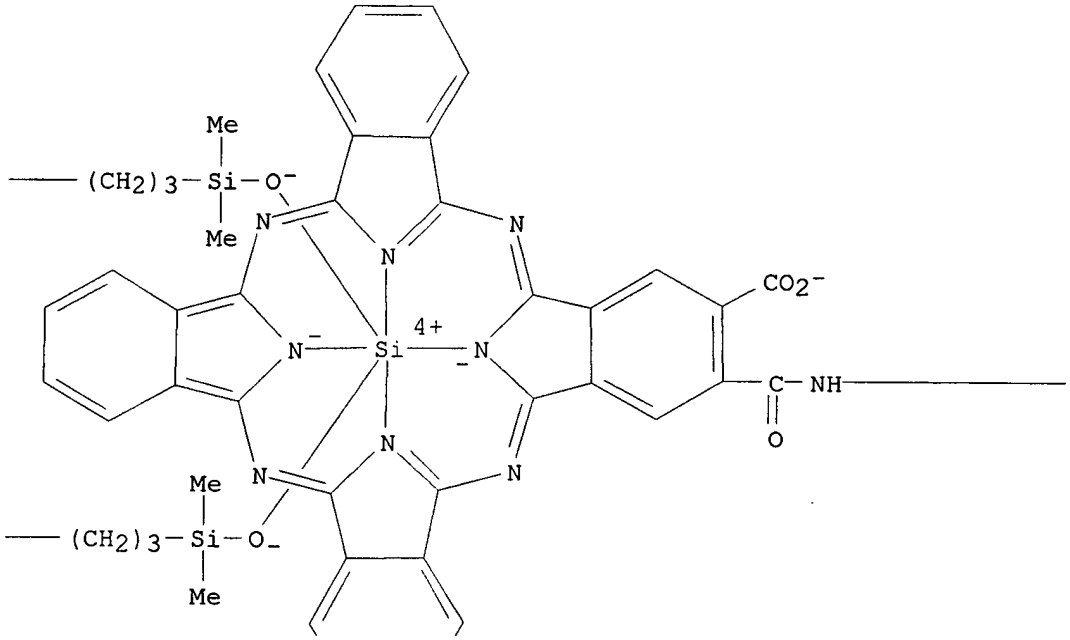

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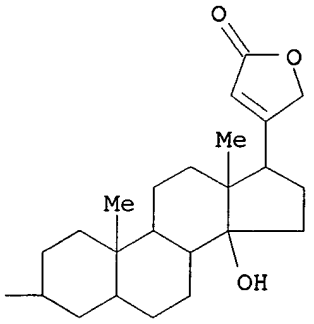


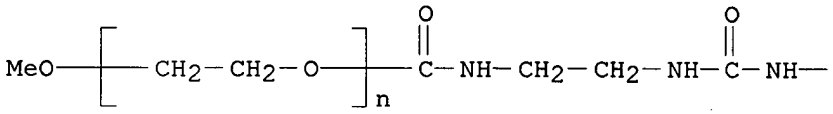
PAGE 2-A

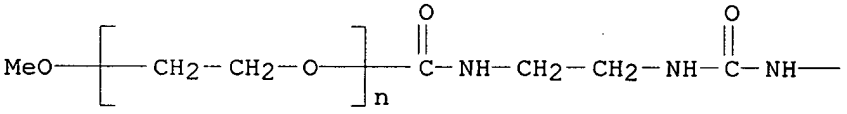
● H^+

PAGE 2-B

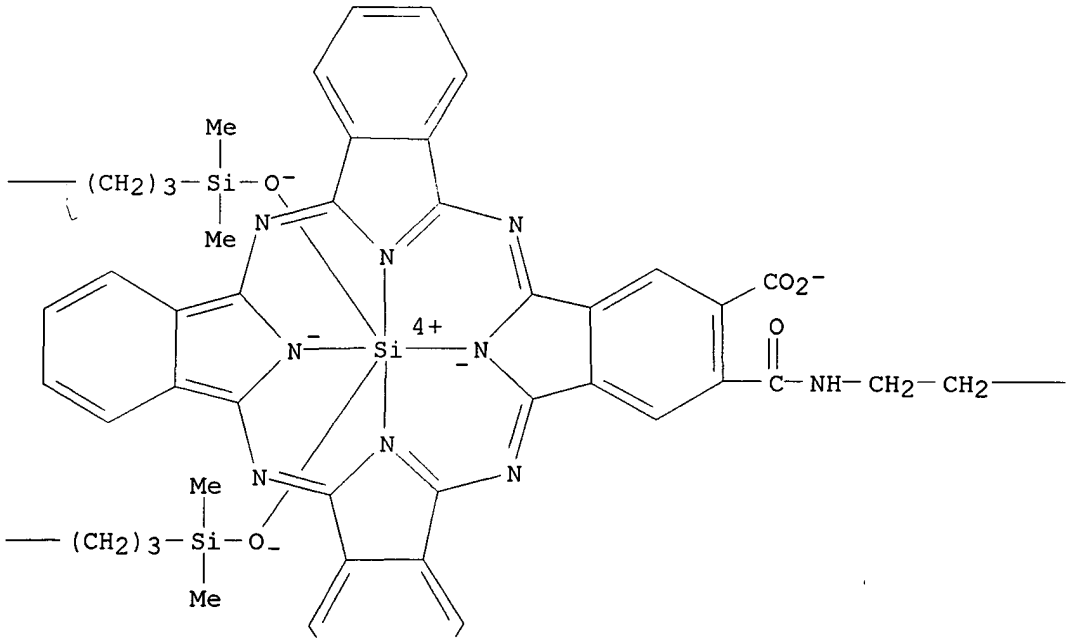
RN 267422-49-1 CAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-methoxy-, 1,1'-diester with trihydrogen (OC-6-13)-[3-[[[2-[[4-(2,3,6,7,8,9-hexahydro-1,3-dimethyl-2,6-dioxo-1H-purin-8-yl)-1-oxobutyl]amino]ethyl]amino]carbonyl]-29H,31H-phthalocyanine-2-carboxylato(3-)-.kappa.N29,.kappa.N30,.kappa.N31,.kappa.N32]bis[11-(hydroxy-.kappa.O)-11-methyl-6-oxo-2,5,7-triaza-11-siladodecanoato(2-)]silicate(3-) (9CI) (CA INDEX NAME)

PAGE 1-A

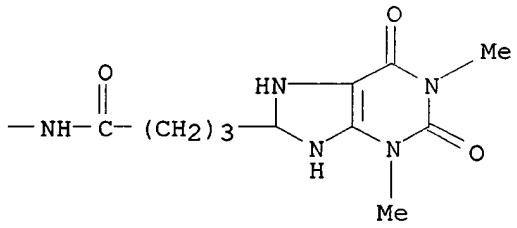




PAGE 1-B



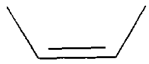
PAGE 1-C



PAGE 2-A

● H^+

PAGE 2-B



RN 267422-50-4 CAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-methoxy-, 1,1'-diester with trihydrogen (OC-6-13)-[3-[[[4-(5-ethylhexahydro-2,4,6-trioxo-5-

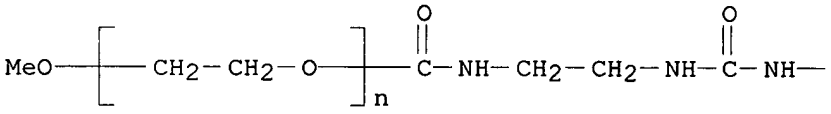
pyrimidinyl)phenyl]amino]carbonyl]-29H,31H-phthalocyanine-2-carboxylato(3-

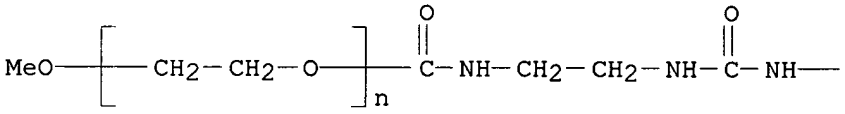
)-.kappa.N29,.kappa.N30,.kappa.N31,.kappa.N32]bis[11-(hydroxy-.kappa.O)-11-methyl-6-oxo-2,5,7-triaza-11-siladodecanoato(2-)]silicate(3-) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 267422-51-5 CAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-methoxy-, 1,1'-diester with trihydrogen
(OC-6-13)-[3-[[[2-[[[4-(4-hydroxy-3,5-diiodophenoxy)-3,5-diiodophenyl]acetyl]amino]ethyl]amino]carbonyl]-29H,31H-phthalocyanine-2-carboxylato(3-)-.kappa.N29,.kappa.N30,.kappa.N31,.kappa.N32]bis[11-

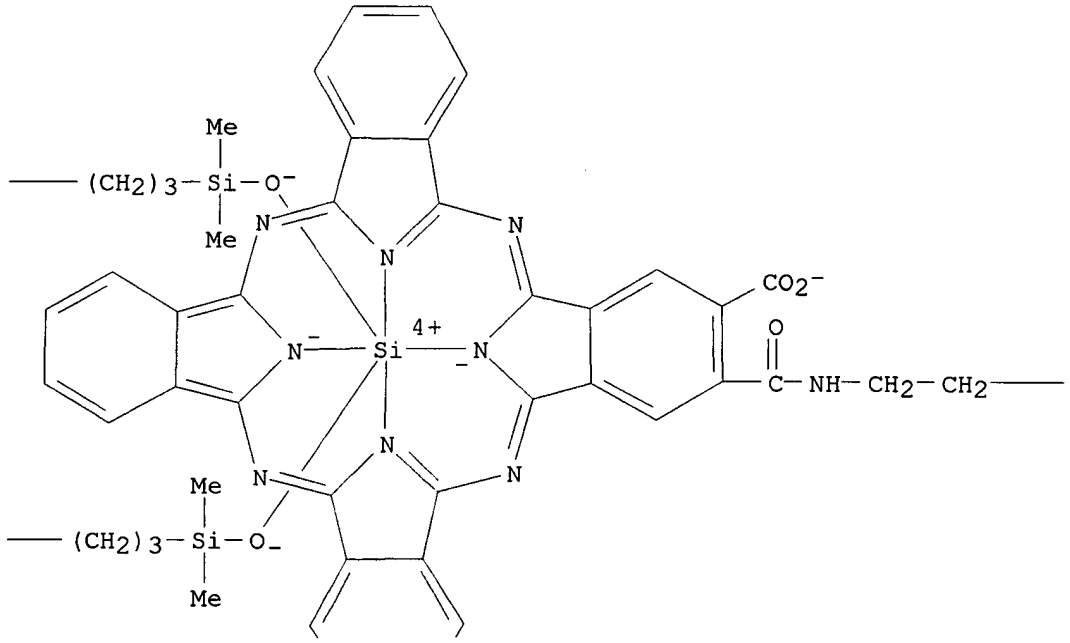
(hydroxy-.kappa.O)-11-methyl-6-oxo-2,5,7-triaza-11-siladodecanoato(2-)]silicate(3-) (9CI) (CA INDEX NAME)

PAGE 1-A





PAGE 1-B



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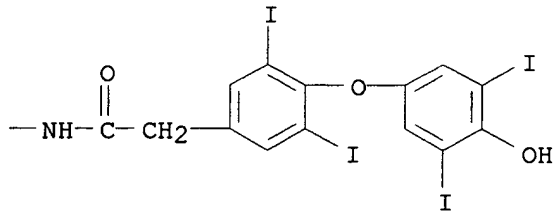


PAGE 2-A

● H^+

PAGE 2-B

RN 267422-52-6 CAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-methoxy-, 1,1'-diester with trihydrogen (OC-6-13)-[3-[[[2-[[4-(acetylamino)benzoyl]amino]ethyl]ethylamino]carbonyl]-29H,31H-phthalocyanine-2-carboxylato(3-)-.kappa.N29,.kappa.N30,.kappa.N31,.kappa.N32]bis[11-(hydroxy-.kappa.O)-11-methyl-6-oxo-2,5,7-triaza-11-siladodecanoato(2-)]silicate(3-) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 267422-53-7 CAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-methoxy-, 1,1'-diester with trihydrogen (OC-6-13)-[3-[[[4-(5-ethylhexahydro-4,6-dioxo-5-

pyrimidinyl)phenyl]amino]carbonyl]-29H,31H-phthalocyanine-2-carboxylato(3-

)-.kappa.N29,.kappa.N30,.kappa.N31,.kappa.N32]bis[11-(hydroxy-.kappa.O)-11-methyl-6-oxo-2,5,7-triaza-11-siladodecanoato(2-)]silicate(3-) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 267422-54-8 CAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-methoxy-, ester with dihydrogen (OC-6-13)-[3-[[(carboxydiphenylmethyl)amino]carbonyl]-29H,31H-

phthalocyanine-2-carboxylato(4-)-.kappa.N29,.kappa.N30,.kappa.N31,.kappa.N

32]bis[[2-[[[[3-[(hydroxy-.kappa.O)dimethylsilyl]propyl]amino]carbonyl]amino]ethyl]carbamato]silicate(2-) (2:1) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
REFERENCE COUNT: 48
REFERENCE(S): (1) Anon; WO 9118006 1981 CAPLUS
(2) Anon; EP 0260098 1987 CAPLUS
(5) Anon; JP 63264674 1988 CAPLUS
(6) Anon; EP 0336879 1989 CAPLUS
(7) Anon; WO 9002747 1990 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L33 ANSWER 5 OF 14 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1999:795794 CAPLUS
DOCUMENT NUMBER: 132:35701
TITLE: Preparation of imidazolyl derivatives as as agonists or antagonists of somatostatin receptors
INVENTOR(S): Thurieau, Christophe Alain; Poitout, Lydie Francine; Galcera, Marie-Odile; Gordon, Thomas D.; Morgan, Barry; Moinet, Christophe Philippe
PATENT ASSIGNEE(S): Societe de Conseils de Recherches et d'Applications Scientifiques, S.A., Fr.
SOURCE: PCT Int. Appl., 342 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9964401	A2	19991216	WO 1999-US12760	19990608
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9944257	A1	19991230	AU 1999-44257	19990608
EP 1086086	A1	20010328	EP 1999-927323	19990608
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				

NO 2000006267 A 20010207 NO 2000-6267 20001211
PRIORITY APPLN. INFO.: US 1998-89087 P 19980612
US 1998-96431 A1 19980612
WO 1999-US12760 W 19990608
OTHER SOURCE(S): MARPAT 132:35701

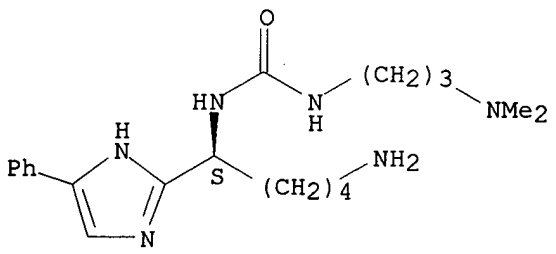
AB The title compds. [I; R1 = H, (CH2)mCO(CH2)mZ1, (CH2)mZ1, etc.; Z1 = (un)substituted benzo[b]thiophene, Ph, naphthyl, etc.; R2 = H, alkyl; R1 and R2 taken together with the nitrogen atoms to which they are attached form II-IV; R3 = (CH2)mE(CH2)mZ2; E = O, S, CO, etc.; Z2 = H, alkyl, NH2, etc.; R4 = H, (CH2)mA1; A1 = C(:Y)NX1X2; C(:Y)X2; C(:NH)X2, X2; Y = O, S; X1 = H, alkyl, etc.; X2 = alkyl, etc.; R5 = alkyl, (un)substituted aryl, etc.; R6 = H, alkyl; R7 = alkyl, (CH2)mZ4; Z4 = (un)substituted Ph, naphthyl, indolyl, etc.; m = 0-6] which are useful as agonists or antagonists of somatostatin receptors (no data), and for inhibiting the proliferation of Helicobacter pylori, were prepd. Thus, activating 2-furancarboxylic acid with carbonyldiimidazole followed by addn. of 2-{(1S)-1-amino-2-(indol-3-yl)ethyl}-4-phenyl-1H-imidazole afforded 94% the title compd. V. Compds. I are effective at 0.01-10.0 mg/kg/day.

IT **252305-00-3P 252311-37-8P 252311-82-3P**
252314-08-2P 252314-32-2P
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); **THU (Therapeutic use)**; BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of imidazolyl derivs. as as agonists or antagonists of somatostatin receptors)

RN 252305-00-3 CAPLUS

CN Urea, N-[(1S)-5-amino-1-(4-phenyl-1H-imidazol-2-yl)pentyl]-N'-[3-(dimethylamino)propyl]- (9CI) (CA INDEX NAME)

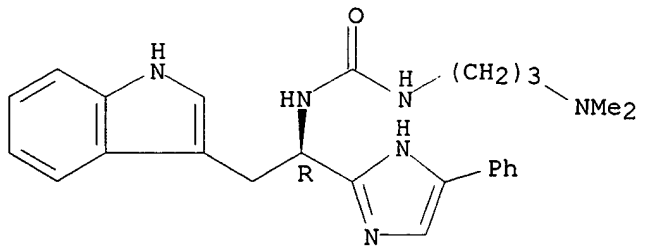
Absolute stereochemistry.



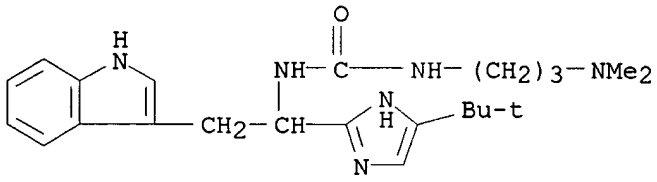
RN 252311-37-8 CAPLUS

CN Urea, N-[3-(dimethylamino)propyl]-N'-[(1R)-2-(1H-indol-3-yl)-1-(4-phenyl-1H-imidazol-2-yl)ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

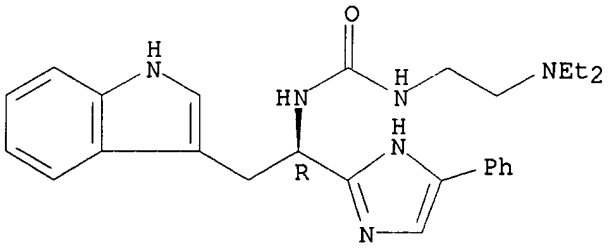


RN 252311-82-3 CAPLUS
CN Urea,
N-[3-(dimethylamino)propyl]-N'-[1-[4-(1,1-dimethylethyl)-1H-imidazol-2-yl]-2-(1H-indol-3-yl)ethyl]- (9CI) (CA INDEX NAME)



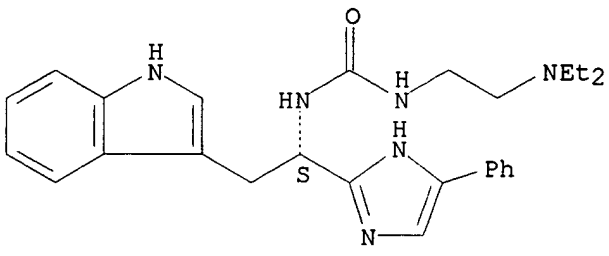
RN 252314-08-2 CAPLUS
CN Urea,
N-[2-(diethylamino)ethyl]-N'-[(1R)-2-(1H-indol-3-yl)-1-(4-phenyl-1H-imidazol-2-yl)ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 252314-32-2 CAPLUS
CN Urea,
N-[2-(diethylamino)ethyl]-N'-[(1S)-2-(1H-indol-3-yl)-1-(4-phenyl-1H-imidazol-2-yl)ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L33 ANSWER 6 OF 14 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1999:783937 CAPLUS
DOCUMENT NUMBER: 132:22973
TITLE: Preparation of pyrrolo[2,3-d]pyrimidines as adenosine receptor antagonists
INVENTOR(S): Castelhano, Arlindo L.; McKibben, Bryan; Witter, David J.
PATENT ASSIGNEE(S): Cadus Pharmaceutical Corp., USA
SOURCE: PCT Int. Appl., 169 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9962518	A1	19991209	WO 1999-US12135	19990601
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9942265	A1	19991220	AU 1999-42265	19990601
BR 9911612	A	20010206	BR 1999-11612	19990601
EP 1082120	A1	20010314	EP 1999-926107	19990601
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
NO 2000006090	A	20010131	NO 2000-6090	20001130

PRIORITY APPLN. INFO.:
US 1998-87702 P 19980602
US 1999-123216 P 19990308
US 1999-126527 P 19990326
WO 1999-US12135 W 19990601

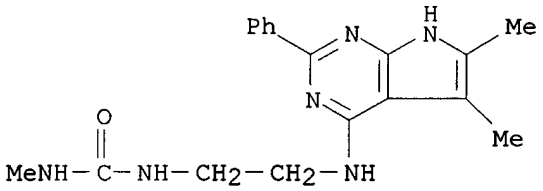
OTHER SOURCE(S): MARPAT 132:22973

AB Title compds. [I; R = NR1R2; R1-R4 = H, alkyl, aryl, etc.; NR1R2 = heterocyclyl; R5,R6 = H, halo, alkyl, aryl, etc.; R4R5,R5R6 = atoms to complete a ring] were prepd. Thus, 2- amino-3-cyano-4,5-dimethyl-1-(1-phenylethyl)pyrrole was N-benzoylated and the product cyclized to give, after deprotection and chlorination, I (R3 = Ph, R4 = H, R5 = R6 = Me)(II;

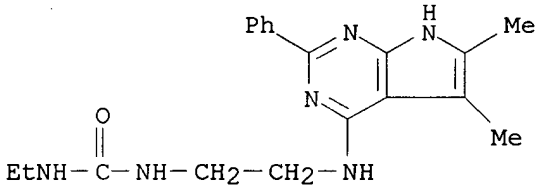
R = Cl) which was aminated by trans-4-hydroxycyclohexylamine to give II (R = trans-4-hydroxycyclohexylamino). Data for biol. activity of I were given.

IT **251946-33-5P 251946-34-6P**
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); **THU (Therapeutic use)**; BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of pyrrolo[2,3-d]pyrimidines as adenosine receptor antagonists)

RN 251946-33-5 CAPLUS
CN Urea, N-[2-[(5,6-dimethyl-2-phenyl-1H-pyrrolo[2,3-d]pyrimidin-4-yl)amino]ethyl]-N'-methyl- (9CI) (CA INDEX NAME)



RN 251946-34-6 CAPLUS
CN Urea, N-[2-[(5,6-dimethyl-2-phenyl-1H-pyrrolo[2,3-d]pyrimidin-4-yl)amino]ethyl]-N'-ethyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 20
REFERENCE(S):
(1) Chen Yuhpyng, L; WO 9413676 A 1994 CAPLUS
(2) Ciba Geigy AG; EP 0682027 A 1995 CAPLUS
(3) Hitchings, G; US 3037980 A 1962 CAPLUS
(4) Hoechst India Ltd; IN 157280 A 1986 CAPLUS
(5) Iwamura, H; J Med Chem 1983, V26, P838 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L33 ANSWER 7 OF 14 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1999:763780 CAPLUS
DOCUMENT NUMBER: 132:10496
TITLE: Method for preparing thin liquid samples for microscopic analysis
INVENTOR(S): Berndt, Klaus W.
PATENT ASSIGNEE(S): Becton, Dickinson and Company, USA
SOURCE: Eur. Pat. Appl., 14 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent

LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 961109	A2	19991201	EP 1999-108936	19990505
EP 961109	A3	20000719		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2000002839	A2	20000107	JP 1999-147168	19990526

PRIORITY APPLN. INFO.: US 1998-85851 A 19980527

AB A method for producing thin samples of liqs. for microscopic anal. involves depositing a drop of the liq. sample onto the upper surface of a microscope slide near the center of the slide, positioning a flexible cover glass onto spacers on the slide, applying a downward force to the upper surface of the cover glass so that the lower surface of the cover glass touches the sample, suspending the application of force, and obtaining a thin liq. sample. A liq. blood sample prepd. this way had a central area A contg. plasma but no red blood cells. This region A was surrounded by a wide ring B contg. huge nos. of isolated red blood cells in a well-defined monolayer arrangement. Ring B was surrounded by an even wider belt that contained red blood cells in Rouleaux formation where the length of the Rouleaux blocks increased with increasing distance from the center. This kind of blood sample prepn. does not result in morphol. changes as obsd. in the wedge slide method or during drying of blood films in the open air.

IT **154088-80-9**, LaJolla Blue
RL: ARG (Analytical reagent use); DEV (Device component use); **THU (Therapeutic use)**; ANST (Analytical study); BIOL (Biological study); USES (Uses)
(deposited on microscope slide; method for prepg. thin liq. samples for microscopic anal.)

RN 154088-80-9 CAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-methoxy-, ether with dihydrogen (OC-6-12)-bis(2-hydroxyethyl 11-hydroxy-11-methyl-6-oxo-2,5,7-triaza-11-siladodecanoato-O11)[29H,31H-phthalocyanine-2,3-carboxylato(4-)-N29,N30,N31,N32]silicate(2-) (2:1) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L33 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1998:789144 CAPLUS
DOCUMENT NUMBER: 130:38377
TITLE: Preparation of heteroarylpyrazoles as p38 kinase inhibitors
INVENTOR(S): Anantanarayan, Ashok; Clare, Michael; Collins, Paul W.; Crich, Joyce Zuowu; Devraj, Rajesh; Flynn, Daniel L.; Geng, Lifeng; Hanson, Gunnar J.; Koszyk, Francis J.; Liao, Shuyuan; Partis, Richard A.; Rao, Shashidhar N.; Selness, Shaun Raj; South, Michael S.; Stealey,

Michael A.; Weier, Richard M.; Xu, Xiangdong; et al.
PATENT ASSIGNEE(S): G.D. Searle and Co., USA; et al.
SOURCE: PCT Int. Appl., 828 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9852940	A1	19981126	WO 1998-US10436	19980522
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9875883	A1	19981211	AU 1998-75883	19980522
ZA 9804358	A	19990524	ZA 1998-4358	19980522
EP 1000055	A1	20000517	EP 1998-923642	19980522
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
BR 9809147	A	20000801	BR 1998-9147	19980522
NO 9905695	A	20000121	NO 1999-5695	19991119

PRIORITY APPLN. INFO.: US 1997-47570 P 19970522
WO 1998-US10436 W 19980522
OTHER SOURCE(S): MARPAT 130:38377
AB Title compds. [I; R1 = H, NH2, (cyclo)alk(en)yl, acyl, aryl, etc.; R2 = H,
halo, alkyl, alkoxy, etc.; R3 = pyridyl, pyrimidinyl, quinolyl, etc.; R4 =
H, alkyl, heterocyclyl, aryl, etc.] were prepd. Thus, R3CH2COMe (R3 = 4-pyridinyl) was condensed with 3,4-F(MeO)C6H3CHO and the product cyclocondensed with TsNHNH2 to give title compd. II. Data for biol. activity of I were given.
IT **216523-08-9P 216523-09-0P**
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); **THU (Therapeutic use)**; BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of heteroarylpyrazoles as p38 kinase inhibitors)
RN 216523-08-9 CAPLUS
<------User Break------>
u
=> d his

(FILE 'HOME' ENTERED AT 10:38:39 ON 01 JUN 2001)

FILE 'REGISTRY' ENTERED AT 10:38:44 ON 01 JUN 2001
L1 STRUCTURE UPLOADED
L2 50 S L1
L3 36270 S L1 FULL
L4 STRUCTURE UPLOADED
L5 14060 S L4 FULL SUB=L3

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L6          5399 S L5 AND 3/N
L7           734 S ETHYL(L)DIMETHYL(L)AMINO(L)PROPYL(L)UREA
L8             0 S UREA, "N-ETHYL-N'-(3-DIMETHYLAMINOPROPYL)-"
L9             4 S ETHYL(L)DIMETHYLAMINOPROPYL(L)UREA
L10            3 S L9 AND 1/NC
L11            1 S L10 AND 1/O

     FILE 'CAPLUS' ENTERED AT 10:52:57 ON 01 JUN 2001
L12           15 S L11
L13            2 S L11/THU

     FILE 'USPATFULL' ENTERED AT 10:55:19 ON 01 JUN 2001
L14            2 S L11

     FILE 'MARPAT' ENTERED AT 10:56:49 ON 01 JUN 2001
L15            0 S L11
L16            0 S L9

     FILE 'BEILSTEIN' ENTERED AT 10:57:15 ON 01 JUN 2001
L17            1 S L11

     FILE 'REGISTRY' ENTERED AT 10:57:49 ON 01 JUN 2001
L18              STRUCTURE UPLOADED
L19        11247 S L18 FULL SUB=L3
L20           50 S L18
L21            0 S L18 CSS
L22            8 S L18 CSS FULL

     FILE 'CAPLUS' ENTERED AT 11:01:43 ON 01 JUN 2001
L23           10 S L22
L24            0 S L22/THU

     FILE 'USPATFULL' ENTERED AT 11:03:35 ON 01 JUN 2001
L25            7 S L22

     FILE 'REGISTRY' ENTERED AT 11:05:41 ON 01 JUN 2001
L26        11247 S L18 FULL
L27              STRUCTURE UPLOADED
L28         3145 S L27 FULL SUB=L26
L29              STRUCTURE UPLOADED
L30         1523 S L29 FULL SUB=L28
L31          381 S L30 AND 1/O
L32          331 S L31 NOT S/ELS

     FILE 'CAPLUS' ENTERED AT 11:14:57 ON 01 JUN 2001
L33           14 S L32/THU

=> file reg
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                              49.16     892.66

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)    SINCE FILE      TOTAL
                                                 ENTRY    SESSION
CA SUBSCRIBER PRICE                              -7.06     -22.94
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FILE 'REGISTRY' ENTERED AT 11:16:11 ON 01 JUN 2001

STRUCTURE FILE UPDATES: 30 MAY 2001 HIGHEST RN 339046-06-9
DICTIONARY FILE UPDATES: 30 MAY 2001 HIGHEST RN 339046-06-9

TSCA INFORMATION NOW CURRENT THROUGH January 11, 2001

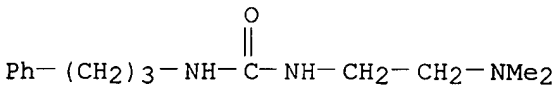
Please note that search-term pricing does apply when conducting SmartSELECT searches.

Structure search limits have been increased. See HELP SLIMIT for details.

=> s l32 and 1/nr
2662225 1/NR
L34 49 L32 AND 1/NR

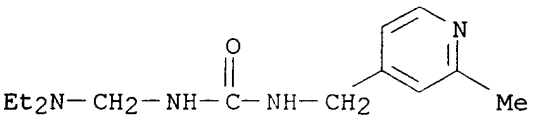
=> d scan

L34 49 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Urea, N-[2-(dimethylamino)ethyl]-N'-(3-phenylpropyl)- (9CI)
MF **C14 H23 N3 O**



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L34 49 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Urea, N-[(diethylamino)methyl]-N'-[(2-methyl-4-pyridinyl)methyl]- (9CI)
MF **C13 H22 N4 O**



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=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	4.11	896.77

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION

CA SUBSCRIBER PRICE 0.00 -22.94

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USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1947 - 1 Jun 2001 VOL 134 ISS 23
FILE LAST UPDATED: 30 May 2001 (20010530/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REG1stRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

CAplus now provides online access to patents and literature covered in CA from 1947 to the present. On April 22, 2001, bibliographic information and abstracts were added for over 2.2 million references published in CA from 1947 to 1966.

The CA Lexicon is now available in the Controlled Term (/CT) field. Enter HELP LEXICON for full details.

=> d his

(FILE 'HOME' ENTERED AT 10:38:39 ON 01 JUN 2001)

FILE 'REGISTRY' ENTERED AT 10:38:44 ON 01 JUN 2001
L1 STRUCTURE UPLOADED
L2 50 S L1
L3 36270 S L1 FULL
L4 STRUCTURE UPLOADED
L5 14060 S L4 FULL SUB=L3
L6 5399 S L5 AND 3/N
L7 734 S ETHYL(L)DIMETHYL(L)AMINO(L)PROPYL(L)UREA
L8 0 S UREA, "N-ETHYL-N'-(3-DIMETHYLAMINOPROPYL)-"
L9 4 S ETHYL(L)DIMETHYLAMINOPROPYL(L)UREA
L10 3 S L9 AND 1/NC
L11 1 S L10 AND 1/O

FILE 'CAPLUS' ENTERED AT 10:52:57 ON 01 JUN 2001
L12 15 S L11

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L13           2 S L11/THU

     FILE 'USPATFULL' ENTERED AT 10:55:19 ON 01 JUN 2001
L14           2 S L11

     FILE 'MARPAT' ENTERED AT 10:56:49 ON 01 JUN 2001
L15           0 S L11
L16           0 S L9

     FILE 'BEILSTEIN' ENTERED AT 10:57:15 ON 01 JUN 2001
L17           1 S L11

     FILE 'REGISTRY' ENTERED AT 10:57:49 ON 01 JUN 2001
L18             STRUCTURE UPLOADED
L19       11247 S L18 FULL SUB=L3
L20          50 S L18
L21           0 S L18 CSS
L22           8 S L18 CSS FULL

     FILE 'CAPLUS' ENTERED AT 11:01:43 ON 01 JUN 2001
L23          10 S L22
L24           0 S L22/THU

     FILE 'USPATFULL' ENTERED AT 11:03:35 ON 01 JUN 2001
L25           7 S L22

     FILE 'REGISTRY' ENTERED AT 11:05:41 ON 01 JUN 2001
L26       11247 S L18 FULL
L27             STRUCTURE UPLOADED
L28        3145 S L27 FULL SUB=L26
L29             STRUCTURE UPLOADED
L30        1523 S L29 FULL SUB=L28
L31         381 S L30 AND 1/O
L32         331 S L31 NOT S/ELS

     FILE 'CAPLUS' ENTERED AT 11:14:57 ON 01 JUN 2001
L33          14 S L32/THU

     FILE 'REGISTRY' ENTERED AT 11:16:11 ON 01 JUN 2001
L34          49 S L32 AND 1/NR

     FILE 'CAPLUS' ENTERED AT 11:16:35 ON 01 JUN 2001

=> s l34
L35          31 L34

=> s l34/thu
            31 L34
        375285 THU/RL
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                 (L34 (L) THU/RL)

=> del l36 y

=> s l35 not py>=199
      19362000 PY>=199
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L36 0 L35 NOT PY>=199

=> s l35 not py>=1999
2091101 PY>=1999
L37 26 L35 NOT PY>=1999

=> d ibib ab hitstr 1-26

L37 ANSWER 1 OF 26 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1998:220203 CAPLUS
DOCUMENT NUMBER: 129:4517
TITLE: Solid phase organic synthesis of polyamine derivatives and initial biological evaluation of their antitumoral activity
AUTHOR(S): Tomasi, Sophie; Le Roch, Myriam; Renault, Jacques; Corbel, Jean-Charles; Uriac, Philippe; Carboni, Bertrand; Moncoq, Damien; Martin, Benedicte; Delcros, Jean-Guy
CORPORATE SOURCE: Pharmacochimie de Molecules de Synthese et de Produits Naturels, Fac. de Pharmacie, Rennes, 35043, Fr.
SOURCE: Bioorg. Med. Chem. Lett. (1998), 8(6), 635-640
CODEN: BMCLE8; ISSN: 0960-894X
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English

AB A series of N1-monosubstituted putrescine and spermine derivs. was synthesized using a solid phase methodol. Their cytotoxicity, calmodulin antagonism and polyamine uptake inhibition, pharmacol. properties shared by some antitumoral agents was evaluated.

IT **207501-42-6P**
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(solid phase org. synthesis of polyamine derivs. and initial biol. evaluation of antitumoral activity)

RN 207501-42-6 CAPLUS
CN Urea, N-[3-[[4-[(3-aminopropyl)amino]butyl]amino]propyl]-N'-(phenylmethyl)-, trifluoroacetate (9CI) (CA INDEX NAME)

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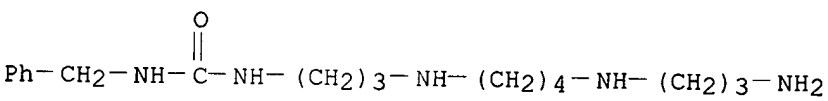
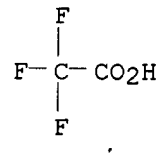
CRN 207501-41-5
CMF C18 H33 N5 O

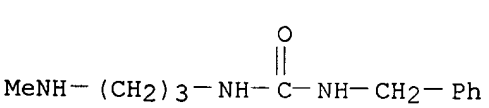


CM 2

CRN 76-05-1
CMF C2 H F3 O2



L37 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1997:366218 CAPLUS
DOCUMENT NUMBER: 127:95010
TITLE: Selective synthesis of polyamine derivatives. Efficient derivatization of the secondary amino group of N-monosubstituted 1,3-diamines
AUTHOR(S): Jentgens, Christian; Hofmann, Richard; Guggisberg, Armin; Bienz, Stefan; Hesse, Manfred
CORPORATE SOURCE: Organisch-Chemisches Inst., Universitat Zurich, Zurich, CH-8057, Switz.
SOURCE: Helv. Chim. Acta (1997), 80(3), 966-978
CODEN: HCACAV; ISSN: 0018-019X
PUBLISHER: Verlag Helvetica Chimica Acta
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 127:95010
AB N-monosubstituted 1,3-diamines were selectively functionalized at the secondary N atom via 2-phenyl-substituted hexahydropyrimidine intermediates. Reaction of the diamines with PhCHO, followed by treatment with an electrophile and hydrolysis, provided the desired products with excellent selectivity and in high yields. N4,N9-bis[3-phenylprop-2-enoyl]spermine (I), which was further converted to N1,N12-bis[3-phenylprop-2-enoyl]spermine by a transamidation reaction, was prepd. by this way in 82% yield from spermine. Compd. I was alternatively synthesized in 83% yield, equally from spermine, by a sequence involving intermediary protection of the terminal amino groups.
IT **191990-75-7P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of polyamines by selective derivatization of secondary amino group of monosubstituted diamines)
RN 191990-75-7 CAPLUS
CN Urea, N-[3-(methylamino)propyl]-N'-(phenylmethyl)- (9CI) (CA INDEX NAME)



L37 ANSWER 3 OF 26 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1996:476785 CAPLUS

DOCUMENT NUMBER: 125:142463
TITLE: Carbodiimide derivatives for use in biotinylations
INVENTOR(S): Takenishi, Soichiro; Suzuki, Osamu; Yokomizo, Hirohiko; Ichihara, Tatsuo; Masuda, Gen; Shiohata, Namiko; Komiya, Kazuko
PATENT ASSIGNEE(S): Nisshinbo Industries, Inc., Japan
SOURCE: Eur. Pat. Appl., 55 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

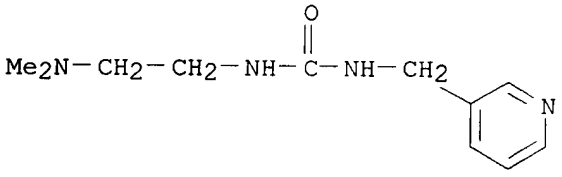
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 718300	A1	19960626	EP 1995-309433	19951222
R: DE, FR, GB				
JP 08176159	A2	19960709	JP 1994-335492	19941222
US 5700935	A	19971223	US 1995-577374	19951222
US 5789588	A	19980804	US 1997-931714	19970916

PRIORITY APPLN. INFO.: JP 1994-335492 19941222
US 1995-577374 19951222
OTHER SOURCE(S): MARPAT 125:142463

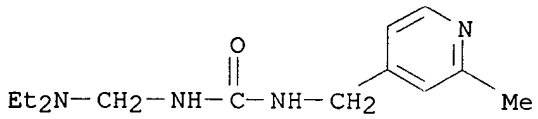
AB Carbodiimides W1-X-N=C=N-Y-W2-Z [W1 = aliph., (un)substituted aryl, heteroaryl, tertiary amino, quaternary ammonium; -W2-Z = quaternary ammonium; X and Y = bond, alkylene; Z = biotin-contg. group] are useful as labeling reagents for introducing a biotin group into a nucleic acid or a protein. Thus, cyclohexyl isocyanate was treated with Me2NC6H4NH2-4 to give the urea which was converted to the carbodiimide and treated with 6-iodohexylbiotinamide to give the quaternized deriv. I.

IT **179540-21-7P 179540-28-4P 179540-73-9P 179540-75-1P 179540-96-6P 179541-13-0P 179541-47-0P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. of carbodiimide derivs. of biotin for use in biotinylations)

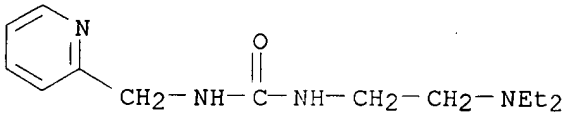
RN 179540-21-7 CAPLUS
CN Urea, N-[2-(dimethylamino)ethyl]-N'-(3-pyridinylmethyl)- (9CI) (CA INDEX NAME)



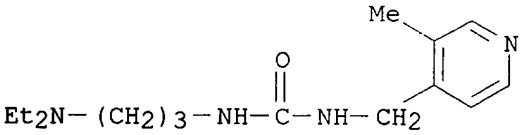
RN 179540-28-4 CAPLUS
CN Urea, N-[(diethylamino)methyl]-N'-[(2-methyl-4-pyridinyl)methyl]- (9CI) (CA INDEX NAME)



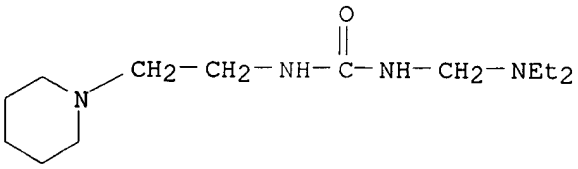
RN 179540-73-9 CAPLUS
CN Urea, N-[2-(diethylamino)ethyl]-N'-(2-pyridinylmethyl)- (9CI) (CA INDEX NAME)



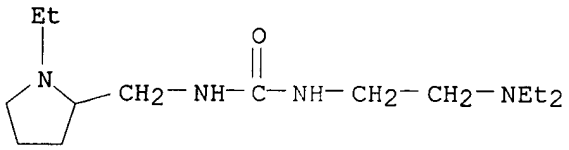
RN 179540-75-1 CAPLUS
CN Urea, N-[3-(diethylamino)propyl]-N'-[(3-methyl-4-pyridinyl)methyl]- (9CI) (CA INDEX NAME)



RN 179540-96-6 CAPLUS
CN Urea, N-[(diethylamino)methyl]-N'-[2-(1-piperidinyl)ethyl]- (9CI) (CA INDEX NAME)

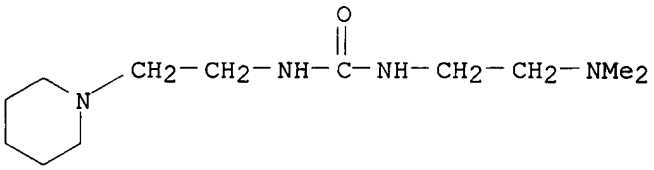


RN 179541-13-0 CAPLUS
CN Urea, N-[2-(diethylamino)ethyl]-N'-[(1-ethyl-2-pyrrolidinyl)methyl]- (9CI)
(CA INDEX NAME)



RN 179541-47-0 CAPLUS

CN Urea, N-[2-(dimethylamino)ethyl]-N'-[2-(1-piperidinyl)ethyl]- (9CI) (CA INDEX NAME)



L37 ANSWER 4 OF 26 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1995:451865 CAPLUS
DOCUMENT NUMBER: 122:214910
TITLE: Polyaniline derivatives and their manufacture
INVENTOR(S): Oka, Osamu
PATENT ASSIGNEE(S): Tomoegawa Paper Co Ltd, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06256510	A2	19940913	JP 1993-62428	19930301

AB Polyaniline derivs., which are gelatinizable and sol. in org. solvents, consist of polyaniline chains with no.-av. mol. wt. 2,000-500,000 and polyurea chains with no.-av. mol. wt. 180-100,000. Polyaniline chains are crosslinked by polyurea chains through amino groups of polyaniline. One such polymer was obtained by reaction polyaniline with an isocyanato-terminated polyurea made from 1,6-hexanediamine, urea, and phosgene.

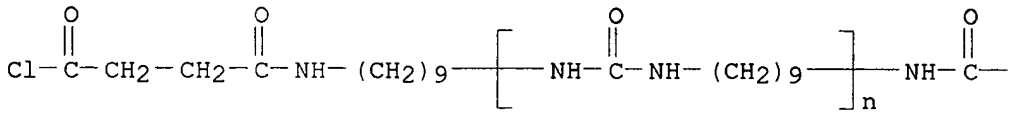
IT **161858-74-8P**
RL: IMF (Industrial manufacture); PRP (Properties); PREP (Preparation) (polyaniline derivs. and their manuf.)

RN 161858-74-8 CAPLUS
CN Benzenamine, polymer with .alpha.-[9-[(4-chloro-1,4-dioxobutyl)amino]nonyl]-.omega.-[(4-chloro-1,4-dioxobutyl)amino]poly(iminocarbonylimino-1,9-nonanediyl), graft (9CI) (CA INDEX NAME)

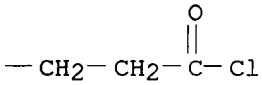
CM 1

CRN 161858-72-6
CMF (C10 H20 N2 O)n C17 H28 Cl2 N2 O4
CCI PMS

PAGE 1-A

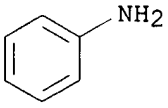


PAGE 1-B



CM 2

CRN 62-53-3
CMF C6 H7 N



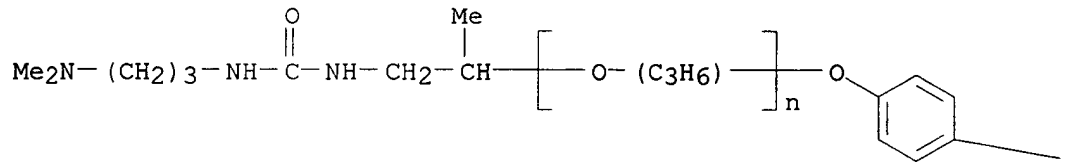
L37 ANSWER 5 OF 26 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1994:195651 CAPLUS
DOCUMENT NUMBER: 120:195651
TITLE: Motor fuel detergent additives - asymmetrical ureas of hydrocarbyloxypolyether amines and tertiary aminoalkyl primary amines
INVENTOR(S): Herbstman, Sheldon
PATENT ASSIGNEE(S): Texaco Inc., USA
SOURCE: U.S., 8 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5286266	A	19940215	US 1992-910912	19920709

AB The present invention provides a novel class of compds., useful as gasoline detergent additives, comprising asym. ureas of either a hydrocarbyloxypolyether amine alone, or a hydrocarbyloxypolyether amine and a tertiary aminoalkyl primary amine. The present invention also provides a motor fuel compn. contg. the novel asym. ureas and further provides a method of synthesizing the asym. ureas of the present invention.

IT **153986-92-6P**
RL: PREP (Preparation)
(prepn. of, gasoline detergent additive)
RN 153986-92-6 CAPLUS
CN Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-[2-[[[[3-(dimethylamino)propyl]amino]carbonyl]amino]-1-methylethyl]-.omega.-(4-nonylphenoxy)- (9CI) (CA INDEX NAME)

PAGE 1-A



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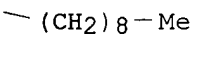
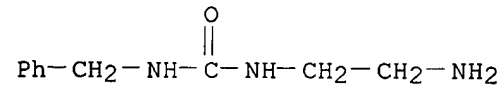


L37 ANSWER 6 OF 26 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1993:168949 CAPLUS
DOCUMENT NUMBER: 118:168949
TITLE: The preparation of N-alkyl-2-(1H)-pyridones by the reaction of amines with a derivative of 3-(2-pyridyl)propane-1,2-diol
AUTHOR(S): Block, Michael H.
CORPORATE SOURCE: ICI Pharm., Mereside, Macclesfield/Cheshire, SK10 4TG, UK
SOURCE: Tetrahedron Lett. (1992), 33(52), 8149-50
CODEN: TELEAY; ISSN: 0040-4039
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 118:168949
AB The redn. of the 2-pyridyl orthoester deriv. I with DIBAL gives exclusively the secondary alc. II (i.e. a 3-(2-pyridyl)propane-1,2-diol deriv.) in excellent yield. Mesylation of II followed by reaction with amines gives unusual N-alkyl-2(1H)-pyridones such as III. The prepn. of 1-amino-3-(2-pyridyloxy)-2-propanol derivs. by this method failed; the latter compds. are potential drugs for the treatment of congestive heart failure.
IT **71676-11-4**
RL: RCT (Reactant)
(amination with, of (methoxymethoxy)(pyridyloy)propanol)
RN 71676-11-4 CAPLUS

CN Urea, N-(2-aminoethyl)-N'-(phenylmethyl)- (9CI) (CA INDEX NAME)



L37 ANSWER 7 OF 26 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1992:107071 CAPLUS
DOCUMENT NUMBER: 116:107071
TITLE: Copolymers with inherent antimicrobial activity
INVENTOR(S): Olstein, Alan D.
PATENT ASSIGNEE(S): Fuller, H. B., Licensing and Financing, Inc., USA
SOURCE: PCT Int. Appl., 33 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

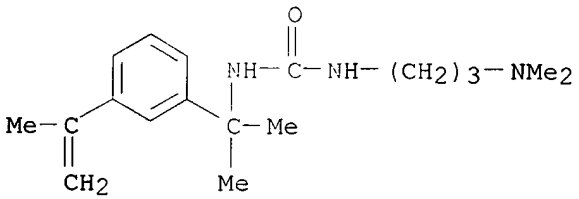
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9112282	A1	19910822	WO 1991-US926	19910212

W: CA, JP
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE
PRIORITY APPLN. INFO.: US 1990-479840 19900214

AB The title polymers contain .gtoreq.1 mol% unsatd. quaternary ammonium compds. and comonomers. Polymg. m-CH2:C(Me)CH2C6H4CMe2NHCO2CH2CH2N+(C10H2 1)Me I-, Me methacrylate, Bu acrylate, and methacrylic acid in H2O at 65.degree. gave a 2.5:23.4:23.4:0.7 copolymer which was degraded by molds in 1 mo but resisted bacteria and yeasts.

IT **139362-81-5P**
RL: RCT (Reactant); PREP (Preparation)
(prepn. and quaternization of)

RN 139362-81-5 CAPLUS
CN Urea, N-[3-(dimethylamino)propyl]-N'-[1-methyl-1-[3-(1-methylethenyl)phenyl]ethyl]- (9CI) (CA INDEX NAME)



L37 ANSWER 8 OF 26 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1992:61651 CAPLUS
DOCUMENT NUMBER: 116:61651
TITLE: Copolymerizable imidazolidinones and oxazolidinones

INVENTOR(S): Murdock, Thomas O.
PATENT ASSIGNEE(S): Fuller, H. B., Licensing and Financing, Inc., USA
SOURCE: PCT Int. Appl., 57 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9112243	A2	19910822	WO 1991-US939	19910212
WO 9112243	A3	19911003		
W: CA, JP				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE				
CA 2074098	AA	19910815	CA 1991-2074098	19910212
JP 05503941	T2	19930624	JP 1991-504715	19910212
EP 594596	A1	19940504	EP 1991-904976	19910212
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				

PRIORITY APPLN. INFO.: US 1990-479718 19900214
WO 1991-US939 19910212
OTHER SOURCE(S): MARPAT 116:61651

AB The title monomers, useful in coatings, caulks, sealing compns., adhesives, and as adhesion promoters, are prepd. Thus, I wain EtOAc at 25-30.degree. by dropwise addn. of II. An emulsion of copolymer from Bu acrylate 659, 2-ethylhexyl acrylate 90, methacrylic acid 20, methacrylonitrile 16, and I [prepd. from m-CH2:C(Me)C6H4C(Me2)NCO and 1-(2-aminoethyl)imidazolidin-2-one] 9.6% was used as a caulking compn. with better adhesion than without I.

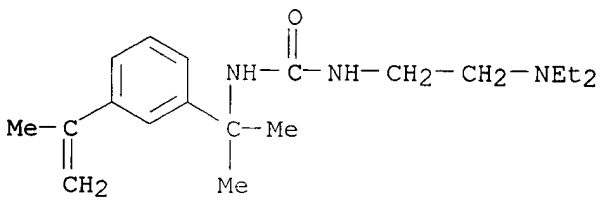
IT **137559-82-1P**
RL: PREP (Preparation)
(coating emulsions, manuf. of, with good adhesion)

RN 137559-82-1 CAPLUS

CN 2-Propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, N-[2-(diethylamino)ethyl]-N'-[1-methyl-1-[3-(1-methylethenyl)phenyl]ethyl]urea and methyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

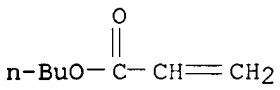
CM 1

CRN 137559-81-0
CMF C19 H31 N3 O



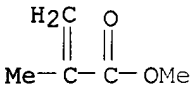
CM 2

CRN 141-32-2
CMF C7 H12 O2



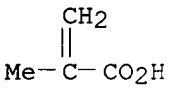
CM 3

CRN 80-62-6
CMF C5 H8 O2

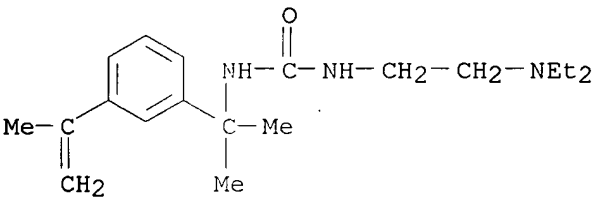


CM 4

CRN 79-41-4
CMF C4 H6 O2



IT **137559-81-0P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 137559-81-0 CAPLUS
CN Urea, N-[2-(diethylamino)ethyl]-N'-[1-methyl-1-[3-(1-methylethenyl)phenyl]ethyl]- (9CI) (CA INDEX NAME)



L37 ANSWER 9 OF 26 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1991:2996 CAPLUS
DOCUMENT NUMBER: 114:2996
TITLE: Direct-measuring assay dipsticks, their construction and use, and a dipstick-containing kit

09/350,193

INVENTOR(S): Allen, Michael P.; Shibuya, Robert B.
PATENT ASSIGNEE(S): Chemtrak, Inc., USA
SOURCE: Eur. Pat. Appl., 16 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 7
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 342447	A2	19891123	EP 1989-108100	19890505
EP 342447	A3	19910731		
EP 342447	B1	19941214		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
US 4999287	A	19910312	US 1988-195881	19880519
AU 8933847	A1	19891123	AU 1989-33847	19890428
AU 626853	B2	19920813		
JP 02138961	A2	19900528	JP 1989-122996	19890518

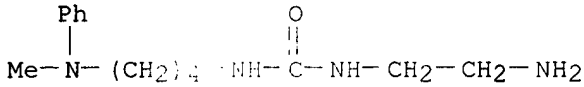
PRIORITY APPLN. INFO.: US 1988-195881 19880519

AB The title dipsticks e.g. comprise, in the direction of fluid flow, (1) a 1st bibulous bridging strip extending from the immersion end to a sample pad site; (2) a sample pad; (3) a 2nd bibulous bridging strip extending from the sample pad site to a measurement region fluid receiving site, in which the 2nd strip is in liq. communication with the sample pad; (4) an extended bibulous measuring strip in communication with the 2nd bridging strip and impregnated with a 1st member of a signal-producing system, which upon reaction with a 2nd member of the signal-producing system produces a detectable signal defining a boundary on the measurement strip;
and (5) a means of inhibiting fluid communication between the sample pad and the 1st and 2nd bridging strips prior to measurement and for permitting fluid communication during measurement. Means may also be induced for automatically metering sample vol. and for providing a sharply
delineated color front. The method finds particular use where a limited amt. of substrate is provided for an enzyme on a sample pad. Thus, sample
strips were prepd. for detn. of 50-400 mg cholesterol equiv./dL in serum. The 3-methyl-2-benzothiazolinone hydrazone (mBTH) substrate was immobilized in the quantitation area at 0.25 or 0.50 mg/mL. Migration height of the color band was related to cholesterol concn., and the sensitivity of the assay was related to the amt. of immobilized mBTH.

IT **127931-32-2D**, Whatman 3ET conjugates
RL: ANST (Analytical study)
(in dipstick with discontinuous flow path for cholesterol detn.)

RN 127931-32-2 CAPLUS

CN Urea, N-(2-aminoethyl)-N'-[4-(methylphenylamino)butyl]- (9CI) (CA INDEX NAME)



L37 ANSWER 10 OF 26 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1989:440561 CAPLUS
DOCUMENT NUMBER: 111:40561
TITLE: Preparation of diureidopolyaxylalkylene amine-blocked isocyanate prepolymers for coatings
INVENTOR(S): Speranza, George Phillip; Lin, Jiang Jen; Cuscurida, Michael
PATENT ASSIGNEE(S): Texaco Development Corp., USA
SOURCE: Eur. Pat. Appl., 21 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 301718	A2	19890201	EP 1988-306167	19880706
EP 301718	A3	19891206		
R: DE, FR, GB				
US 4761465	A	19880802	US 1987-78314	19870727
US 4906774	A	19900306	US 1987-78309	19870727
CA 1328467	A1	19940412	CA 1988-568200	19880531
US 5010160	A	19910423	US 1989-430686	19891030

PRIORITY APPLN. INFO.: US 1987-78309 19870727
US 1987-78314 19870727

AB The title polymers (mol. wt. 600-10,000) are prepd. from aliph. diisocyanates and polyoxyalkylene diamines in alc. solvents, or with excess diisocyanate and blocked with agents such as MEK oxime. Adding 0.1 mol isophorane diisocyanate in 22.2 g iso-PrOH to 0.20 mol polyoxypropylene diamine (Jeffamine 400) over 1.5 h at 30.degree. gave a product with amine content 1.53 mequiv./g, while prepn. in (MeO)2CO gave a gel.

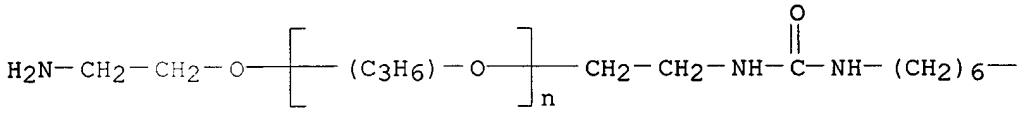
IT **121467-12-9**
RL: USES (Uses)
(coating, impact-resistant)

RN 121467-12-9 CAPLUS
CN 1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with 1,3-diisocyanatomethylbenzene and .alpha.,.alpha.'-[1,15(1,16 or 2,15)-dimethyl-4,13-dioxo-3,5,12,14-tetraazahexadecane-1,16-diyl]bis[.omega.-(2-aminomethylethoxy)poly[oxy(methyl-1,2-ethanediyl)]] (9CI) (CA INDEX NAME)

CM 1

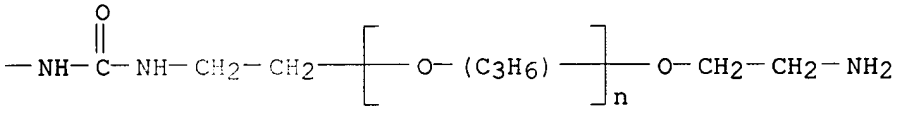
CRN 17302-95-2
CMF (C3 H6 O)n (C3 H6 O)n C20 H44 N6 O4
CCI IDS PMS
CDES *

PAGE 1-A



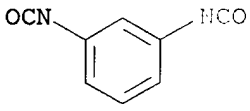
4 (D1—Me)

PAGE 1-B



CM 2

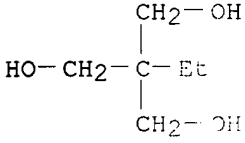
CRN 26471-62-5
CMF C9 H6 N2 O2
CCI IDS
CDES 8:ID



D1—Me

CM 3

CRN 77-99-6
CMF C6 H14 O3



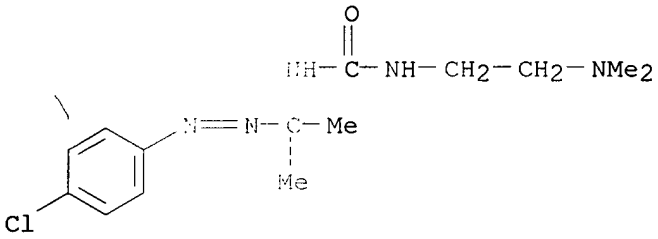
L37 ANSWER 11 OF 26 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1984:571174 CAPLUS
DOCUMENT NUMBER: 101:171174

TITLE: 2-Aryl-5,5-dimethyl-1,2,4-triazolidin-3-one derivatives
AUTHOR(S): Schantl, J.; Hebeisen, P.
CORPORATE SOURCE: Inst. Org. Pharm. Chem., Univ. Innsbruck, Innsbruck, A-6020, Austria
SOURCE: Sci. Pharm. (1983), 51(4), 379-90
CODEN: SCPHA4; ISSN: 0036-8709
DOCUMENT TYPE: Journal
LANGUAGE: German

AB RnC6H5-nNHN:CMe2 [Rn = H, 4-Cl, 3,4-Cl2, 4-Me(CH2)5O, 4-O2N] reacted with KZCN (Z = O, S) in AcOH to give the corresponding triazolidinones I (Z = O) or -thiones I (Z = S). Although I (Z = S) have antiinflammatory and analgesic properties I (Z = O) had no noteworthy activity. RnC6H5-nN:NCMe2N:C:Z, the acyclic oxidn. products of I, can be used for further syntheses. H2NCN was added to 4-ClC6H4NHN:CMe2.HCl to give iminotriazolidine II which on oxidative ring cleavage gave 4-ClC6H4N:NCMe2NHCN.

IT **91027-32-6P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and hydration of)

RN 91027-32-6 CAPLUS
CN Urea, N-[1-[(4-chlorophenyl)azo]-1-methylethyl]-N'-[2-(dimethylamino)ethyl]- (9CI) (CA INDEX NAME)



L37 ANSWER 12 OF 26 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1983:615559 CAPLUS
DOCUMENT NUMBER: 99:215559
TITLE: Demulsification of bitumen emulsions using ionenes
INVENTOR(S): McCoy, David R.; McEntire, Edward E.
PATENT ASSIGNEE(S): Texaco Inc. , USA
SOURCE: U.S., 4 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4404096	A	19830913	US 1981-326459	19811202

AB Ionomer demulsifiers for breaking of tar-sand oil-in-water emulsions are prepd. from ditertiarydiamines and dichlorohydrocarbons and have mol. wt. >2600 (preferably >10,000). Active compds. include Me2NCH2CH[illegible]-ClCH2-p-

C6H4CH2Cl copolymer [30619-25-1], Me2N(CH2)3NMe2-trans-ClCH2CH:CHCH2Cl copolymer [52193-09-6], 1,4-diazabicyclo[2,2,2]octane-trans-1,4-dichloro-2-butene copolymer [87836-94-0], and N,N,N',N'-tetramethyl-Jeffamine D-230-.alpha.,.alpha.'-dichloro-p-xylene copolymer [87935-68-0].

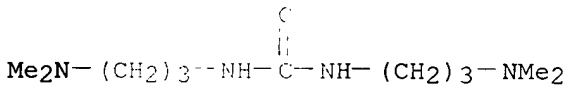
IT 69419-41-6
RL: USES (Uses)
(demulsifiers, for breaking of tar-sand emulsions)

RN 69419-41-6 CAPLUS

CN Urea, N,N'-bis[3-(dimethylamino)propyl]-, polymer with 1,4-bis(chloromethyl)benzene (9CI) (CA INDEX NAME)

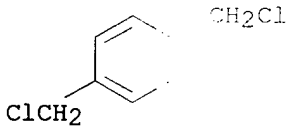
CM 1

CRN 52338-87-1
CMF C11 H26 N4 O



CM 2

CRN 623-25-6
CMF C8 H8 Cl2



L37 ANSWER 13 OF 26 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1983:71669 CAPLUS
DOCUMENT NUMBER: 98:71669
TITLE: 1-Phenoxy-3-ureidoalkylpropanolamine derivatives and pharmaceutical compositions containing them
PATENT ASSIGNEE(S): Imperial Chemical Industries PLC, UK
SOURCE: Israeli, 19 pp. Addn. to Israeli 43,795.
CODEN: ISXXAQ
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
IL 55829	A1	19820531	IL 1978-55829	19781031
PRIORITY APPLN. INFO.:			IL 1973-43795	19731210
			GB 1977-52969	19771220

AB Alkano.mines I (R2 = H, 2-cyano, 2-Cl, 2-, 3-, 4-F, 2-Me, 2-MeO, 4-OH; ZR1 = CH2Ph, CHMePh; R2 = H, 4-OH, ZR1 = CH2CH2OH, CMe2CH2OH) and their acid addn. salts, having .beta.-adrenergic blocking activity (no data), were prepd. Treating PhO2CCl and K2CO3 in dioxane with PhCH2NH2 and stirring at room temp. 72 h gave PhCH2NHCO2Ph which was stirred with (H2NCH2)2 at room temp. 16 h to give PhCH2NHCONHCH2CH2NH2. This was heated with 1-(2-cyanophenoxy)-2,3-epoxypropane, H2O, and EtOH at 90.degree. 16 h to give I (R2 = 2-cyano, ZR1 = CH2Ph).

IT 71676-[illegible]-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and aminolysis by, of epoxypropane deriv.)

RN 71676-[illegible]-4 CAPLUS

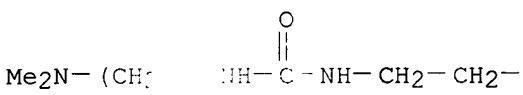
CN Urea, N-(2-aminoethyl)-N'-(phenylmethyl)- (9CI) (CA INDEX NAME)

L37 ANSWER 24 OF 26 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1983:71187 CAPLUS
DOCUMENT NUMBER: 98:71187
TITLE: Direct spectrophotometric observation of an O-acylisourea intermediate: concerted general acid catalysis in the reaction of acetate ion with a water-soluble carbodiimide
AUTHOR(S): Ibrahim, Ibrahim T.; Williams, Andrew
CORPORATE SOURCE: Chem. Lab., Univ. Kent, Canterbury, CT2 7NZ, UK
SOURCE: J. Chem. Soc., Perkin Trans. 2 (1982), (11), 1459-66
CODEN: JCPKBH; ISSN: 0300-9580
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Rate consts. for the formation and decompn. of intermediate O-acylisoureas from carbodiimide and carboxylic acids were measured in aq. media. The O-acetylisourea from AcO- and N-ethyl-N'-[3-(trimethylammonio)propyl]carbodiimide (I) has an acidic group of pK 6.8, and decomps. in its acid form as the zwitterion by reaction with AcO- or H2O. Reaction of the carboxylate anion with I is general-acid catalyzed, and the D2O solvent isotope effect indicates a rate-detg. proton transfer except for the oxonium ion acting as acid. A mechanism involving proton transfer concerted with nucleophilic attack by AcO- is consistent with the weak basicity of the isourea adduct. The 3rd-order term involving HOAc, AcO- and carbodiimide carries .apprx.60% of the total reaction flux at pH 6.80 and 1 M total HOAc buffer concn. At this pH .apprx.40% of the reaction flux proceeds via a stepwise mechanism with specific acid catalysis. Intramol. general acid catalysis occurs in the reaction of HO2CCEt2CO2- with I, and the effective molarity compared with intermol. catalysis is 15 M. Attack of carboxylate anions on I with N-(chloroethyl)morpholinium ion as the general acid has a Broensted-type .beta.N of 0.46.

IT 84567-[illegible]-4P

RL: [illegible] (Synthetic preparation); PREP (Preparation)
([illegible]. of)
RN 8456[illegible]-4 CAPLUS
CN Urea, [illegible]3-(dimethylamino)propyl]-N'-(2-phenylethyl)- (9CI) (CA INDEX NAME)



L37 ANSW[illegible] 5 OF 26 CAPLUS COPYRIGHT 2001 ACS
ACCESSION [illegible]BER: 1982:456677 CAPLUS
DOCUMENT [illegible]ER: 97:56677
TITLE: Cationic adsorbent and its use in removing anionic products from aqueous solutions
INVENTOR([illegible] Haase, Jaroslav; Palmberg, Roger
PATENT AS[illegible]E(S): Ciba-Geigy A.-G., Switz.
SOURCE: Eur. Pat. Appl., 31 pp.
CODEN: EPXXDW
DOCUMENT [illegible]: Patent
LANGUAGE: German
FAMILY AC[illegible]UM. COUNT: 1
PATENT IN[illegible]ATION:

PATE[illegible] NO.	KIND	DATE	APPLICATION NO.	DATE
EP 5[illegible]	A2	19820505	EP 1981-810420	19811022
EP 5[illegible]	A3	19820804		
EP 5[illegible]	B1	19850502		
[illegible]T, BE, CH, DE, FR, GB, IT, NL, SE				
US 4[illegible]4	A	19840103	US 1981-313061	19811019
AT 1[illegible]	E	19850515	AT 1981-810420	19811022
DE 3[illegible]3	A1	19820527	DE 1981-3142153	19811023
FI 8[illegible]0	A	19820429	FI 1981-3350	19811026
FI 7[illegible]	B	19860626		
FI 7[illegible]	C	19861006		
IL 6[illegible]	A1	19840930	IL 1981-64112	19811026
CA 1[illegible]2	A1	19850813	CA 1981-388763	19811026
DK 8[illegible]3	A	19820429	DK 1981-4733	19811027
BR 8[illegible].7	A	19820713	BR 1981-6927	19811027
ZA 8[illegible]8	A	19820929	ZA 1981-7428	19811027
ES 5[illegible]	A1	19830201	ES 1981-506596	19811027
SU 1[illegible]2	A3	19850923	SU 1981-3394405	19811027
JP 5[illegible]231	A2	19820625	JP 1981-171541	19811028
JP [illegible]295	B4	19901024		
US 4[illegible]4	A	19841023	US 1983-520377	19830804

PRIORITY [illegible]. INFO.:	
CH 1980-8016	19801028
US 1981-313061	19811019
EP 1981-810420	19811022

AB The [illegible]ion of an aminoplast precondensate with a compd. contg. amino and urea [illegible]thiourea) groups, such as Me2N(CH2)3NHCONRCH2OH (I) (R = H or CH2[illegible] MeCl-quaternized I, gives cationic resins which are useful as

adso: ·ts for anionic compds., e.g, for removing acid dyes from
wast· ·r. Thus, 51.7 g 40% soln. (pH 4.6) of I (R = H) was mixed with
26.4 :OCH2NH)2CO and 10 mL 15% H2NSO3H, reflux for 90 min, evapd.,
poly: :t 85-90.degree. for 15 h, pulverized, and added to water. The
resi: ?2539-88-6] particles were sepd. and dried to prep. 24.0 g
adso· : contg. 25.34% N.

IT **8253**. -3P
RL: I (Preparation)
(: n. of, as adsorbents for anionic materials)

RN 8253 -3 CAPLUS
CN Urea, 3-(dimethylamino)propyl]-N'-(hydroxymethyl)-, polymer with
form· yde and 1,3,5-triazine-2,4,6-triamine (9CI) (CA INDEX NAME)

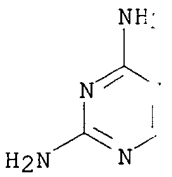
CM

CRN :9-68-2
CMF :17 N3 O2

HO—CH_2—N· ·NH—$(CH_2)_3$—NMe_2

CM

CRN 78-1
CMF ·6 N6



·2

CM

CRN 0-0
CMF O

$H_2C{=}O$

L37 ANSWE · OF 26 CAPLUS COPYRIGHT 2001 ACS
ACCESSION ER: 1981:592212 CAPLUS
DOCUMENT N· N: 95:192212
TITLE: Compositions for permanent waving of hair
INVENTOR(S Grollier, Jean Francois; Fourcadier, Chantal
PATENT ASS· E(S): Oreal S. A. , Fr.

SOURCE: Fr. Demande, 18 pp.
CODEN: FRXXBL
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2465[illegible]9	A2	19810327	FR 1979-30586	19791213
FR 2465[illegible]8	B2	19830610		
BE 876[illegible]	A1	19791214	BE 1979-195741	19790614
CH 6404[illegible]	A	19840113	CH 1979-5592	19790614
US 434[illegible]2	A	19820907	US 1980-158271	19800610
US 457[illegible]2	A	19860401	US 1982-406036	19820806
US 4970[illegible]6	A	19901113	US 1988-235955	19880823

PRIORITY APPL. INFO.:

US 1979-48585	19790613
BE 1979-195741	19790614
CH 1979-5592	19790614
IT 1979-68281	19790614
FR 1978-17899	19780615
CA 1979-329838	19790615
DE 1979-2924230	19790615
GB 1979-20878	19790615
JP 1979-75560	19790615
FR 1979-30586	19791213
US 1980-158271	19800610
US 1986-845245	19860328

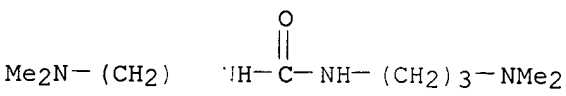
AB Quaternary ammonium polymers, e.g. N,N'-bis(3-dimethylaminopropyl) urea-[illegible]a.,.beta.-dichloroethyl ether copolymer (I) [68555-36-2], were prepd. and used in compns. for permanent waving of hair. Thus, I was prepd. by refluxing 0.2 mol of each of the corresponding monomers. Hair was treated with a compn. contg. thioglycolic acid 8, NH4OH q.s.p. pH 7, NH4HCO3 [illegible].4, dimethyldistearylammonium chloride (II) 0.2, I 3, oxyethylenated oleyl alc. 1, perfume, and water q.s.p. 100 g. After 5-15 min, the hair was rinsed, and treated with an oxidizing compn. contg. II 0.3, phenacetin 0.1, citric acid 0.3, oxyethylenated nonylphenol 1, color and perfume, H2O2 (8 vols.), and water q.s.p. 100 g. After drying, the hair had a silky touch and was easy to comb.

IT **70698-[illegible]9-9P**
RL: PREP (Preparation)
(prepn. of, for hair wave-setting compns.)

RN 70698-[illegible]9 CAPLUS
CN Urea, [illegible]'-bis[3-(dimethylamino)propyl]-, polymer with 1,4-bis(bromomethyl)benzene (9CI) (CA INDEX NAME)

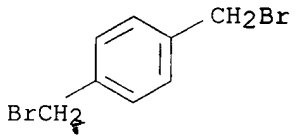
CM 1

CRN [illegible]8-87-1
CMF C[illegible]H26 N4 O



CM 2

CRN 623-24-5
CMF C8 H8 Br2



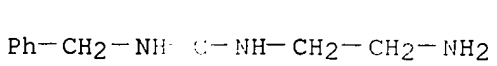
L37 ANSWER 17 OF 26 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1981:121140 CAPLUS
DOCUMENT NUMBER: 94:121140
TITLE: Alkanolamine derivatives with .beta.-adrenergic blocking activity
INVENTOR(S): Smith, Leslie Harold
PATENT ASSIGNEE(S): Imperial Chemical Industries Ltd., Engl.
SOURCE: Brit., 9 pp. Addn. to Brit. 1,455,116.
CODEN: BRXXAA
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 1573359	A	19800820	GB 1978-52969	19780518

AB The alkanolamine derivs., ROCH2CH(OH)CH2NHZ1NHCONHZ2R1 (R = R1 = aryl, Z1 = Z2 = alkylene; R = H, R1 = aryl, Z1 = alkylene, Z2 = alkyleneoxy) were prepd. as .beta.-adrenergic blockers with cardioselective action. E.g., reaction of 1-(2-cyanophenoxy)-2,3-epoxypropane with 1-(.beta.-aminoethyl)-3-benzylurea gave 1-(2-cyanophenoxy)-3-.beta.-(3-benzylureidoethyl)amino-2-propanol. For treatment of heart disease the active compd. was used at an oral dose of 20-600 mg daily or 1-20 mg i.v. and for treatment of acute or chronic heart failure the dose was 10-200 mg orally or 1-100 mg i.v.

IT **71676-11-4P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and reaction of, with epoxypropane deriv.)

RN 71676-11-4 CAPLUS
CN Urea, N-(2-aminoethyl)-N'-(phenylmethyl)- (9CI) (CA INDEX NAME)



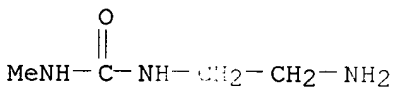
L37 ANSWER 18 OF 26 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1981:57984 CAPLUS
DOCUMENT NUMBER: 94:57984
TITLE: Potential inhibitors of nucleotide biosynthesis. 1. Nitrosoureidonucleosides. 2
AUTHOR(S): Montgomery, John A.; Thomas, H. Jeanette; Brockman, R. Wallace; Wheeler, Glynn P.
CORPORATE SOURCE: Kettering-Meyer Lab., South. Res. Inst., Birmingham, AL, 35255, USA
SOURCE: J. Med. Chem. (1981), 24(2), 184-9
CODEN: JMCMAR; ISSN: 0022-2623
DOCUMENT TYPE: Journal
LANGUAGE: English

AB The title compds. I (R = H, Me, or cyclohexyl; R1 and R2 = H or NO; R3 = hypoxanthin-9-yl, thymin-1-yl, or uracil-1-yl; R4 = H or OH) were prepd. and evaluated for alkylating activity. The low level of biol. activity of I is apparently due to their stability compared to the known nitrosourea compds.

IT **75930-38-0P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 75930-38-0 CAPLUS
CN Urea, N-(2-aminoethyl)-N'-methyl-, compd. with 2,4,6-trinitrophenol (1:1) (9CI) (CA INDEX NAME)

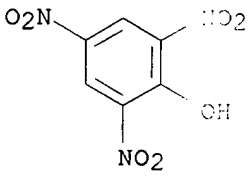
CM 1

CRN 75930-29-9
CMF C4 H11 N3 O



CM 2

CRN 88-89-1
CMF C6 H3 N3 O7



FILE 'USPATFULL' ENTERED AT 11:03:35 ON 01 JUN 2001

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 29 May 2001 (20010529/PD)
FILE LAST UPDATED: 29 May 2001 (20010529/ED)
HIGHEST PATENT NUMBER: US8411134
CA INDEXING IS CURRENT THROUGH 29 May 2001 (20010529/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 29 May 2001 (20010529/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Apr 2001
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Apr 2001

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>>> week patent text is typically loaded by Thursday morning and <<<
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>>> is included in file records. A thesaurus is available for the <<<
>>> USPTO Manual of Classifications in the /NCL, /INCL, and /RPCL <<<
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>>> USPTO/MOC subject headings and subheadings. Thesauri are also <<<
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>>> /IC5, and /IC (/IC6) fields, respectively. The thesauri in <<<
>>> the /IC5 and /IC fields include the corresponding catchword <<<
>>> terms from the IPC subject headings and subheadings. <<<

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> s l22
L25 7 L22

=> d ibib ab hitstr 1-7

L25 ANSWER 1 OF 7 USPATFULL
ACCESSION NUMBER: 94:80134 USPATFULL
TITLE: 3-aminopropoxyphenyl derivatives, their preparation and
pharmaceutical compositions containing them
INVENTOR(S): Berthold, Richard, 9 Ahornstrasse, CH-4103 Bottmingen, Switzerland
Louis, William J., 3 Balmoral Avenue, Kew, 3101 Victoria, Australia

	NUMBER	DATE
PATENT INFORMATION:	US 5347050	19940913
APPLICATION INFO.:	US 1993-46937	19930413 (8)

RELATED APPLN. INFO.: Continuation of Ser. No. US 1991-782791, filed on 21 Oct 1991, now abandoned which is a continuation of Ser.
No. US 1990-584306, filed on 17 Sep 1990, now abandoned
which is a continuation of Ser. No. US 1990-474185, filed on 2 Feb 1990, now abandoned which is a

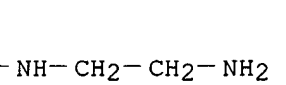
continuation of Ser. No. US 1989-399721, filed on 25 Aug 1989, now abandoned which is a continuation of Ser.
No. US 1989-307028, filed on 3 Feb 1989, now abandoned which is a continuation of Ser. No. US 1988-173845, filed on 28 Mar 1988, now abandoned which is a continuation of Ser. No. US 1986-897557, filed on 18 Aug 1986, now abandoned which is a continuation of Ser.
No. US 1985-778831, filed on 23 Sep 1985, now abandoned
which is a continuation of Ser. No. US 1984-567471, filed on 3 Jan 1984, now abandoned which is a division of Ser. No. US 1981-318292, filed on 4 Nov 1981, now patented, Pat. No. US 4425362

	NUMBER	DATE
PRIORITY INFORMATION:	CH 1980-8249	19801106
	CH 1980-9347	19801218
	CH 1981-4073	19810619
	CH 1991-407481	19910619

DOCUMENT TYPE: Utility
PRIMARY EXAMINER: Dees, Jose G.
ASSISTANT EXAMINER: Carr, Deborah D.
LEGAL REPRESENTATIVE: Sughrue, Mion, Zinn, Macpeak & Seas
NUMBER OF CLAIMS: 7
EXEMPLARY CLAIM: 1
LINE COUNT: 1090
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The compounds of formula I, ##STR1## wherein the substituents have various significances, and physiologically acceptable hydrolyzable derivatives thereof having the hydroxy group in the 2 position of the 3-aminopropoxy side chain in esterified form, are useful as cardioselective .beta.-adrenoceptor blocking agents.

IT **75930-29-9**
(reaction of, with (epoxypropoxy)benzene derivs.)
RN 75930-29-9 USPATFULL
CN Urea, N-(2-aminoethyl)-N'-methyl- (9CI) (CA INDEX NAME)



L25 ANSWER 2 OF 7 USPATFULL
ACCESSION NUMBER: 90:48806 USPATFULL
TITLE: 2-hydroxypropylamine aryl ester derivatives and pharmaceutical use
INVENTOR(S): Kam, Sheung T., Vernon Hills, IL, United States
Matier, William L., Libertyville, IL, United States
PATENT ASSIGNEE(S): E. I. Du Pont de Nemours and Company, Wilmington, DE, United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 4935421	19900619
APPLICATION INFO.:	US 1989-318147	19890301 (7)
RELATED APPLN. INFO.:	Division of Ser. No. US 1986-838082, filed on 10 Mar 1986, now patented, Pat. No. US 4810717 which is a division of Ser. No. US 1981-320773, filed on 21 Nov 1981, now patented, Pat. No. US 4582855	
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Ramsuer, Robert W.	
NUMBER OF CLAIMS:	27	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1470	

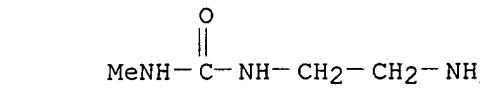
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Novel compounds of the general formula ##STR1## wherein Ar represents a substituted or unsubstituted aromatic or heterocyclic group; W represents alkylene of from 1 to about 10 carbon atoms; and B represents --NR.sub.2 COR.sub.1, --NR.sub.2 CONR.sub.1 R.sub.3, --NR.sub.2 SO.sub.2 R.sub.1, --NR.sub.2 SO.sub.2 NR.sub.1 R.sub.3, or --NR.sub.2 COOR.sub.1 wherein R.sub.1, R.sub.2 and R.sub.3 may be the same or different and may be hydrogen, alkyl, alkoxyalkyl, cycloalkyl, alkenyl, alkynyl, aryl, heteroaryl, or aralkyl, except that R.sub.1 is not hydrogen when B is --NR.sub.2 SO.sub.2 R.sub.1 or --NR.sub.2 COOR.sub.1, or R.sub.1 and R.sub.3 may together with N form a 5 to 7 membered heterocyclic group; and the pharmaceutically acceptable salts thereof. These compounds exhibit .beta.-adrenergic blocking activity and are also useful in the treatment of glaucoma.

IT **75930-29-9P**
(prepn. of)

RN 75930-29-9 USPATFULL

CN Urea, N-(2-aminoethyl)-N'-methyl- (9CI) (CA INDEX NAME)



L25 ANSWER 3 OF 7 USPATFULL

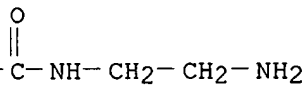
ACCESSION NUMBER:	89:17318 USPATFULL
TITLE:	2-hydroxypropylamine aryl ester derivatives
INVENTOR(S):	Kam, Sheung T., Vernon Hills, IL, United States Matier, William L., Libertyville, IL, United States
PATENT ASSIGNEE(S):	E. I. du Pont de Nemours and Company, Wilmington, DE, United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 4810717	19890307
APPLICATION INFO.:	US 1986-838082	19860310 (6)
RELATED APPLN. INFO.:	Division of Ser. No. US 1981-320773, filed on 12 Nov 1981, now patented, Pat. No. US 4582855	

DOCUMENT TYPE: Utility
PRIMARY EXAMINER: Lee, Mary C.
ASSISTANT EXAMINER: Whittenbaugh, Robert C.
LEGAL REPRESENTATIVE: Fato, Gildo E.
NUMBER OF CLAIMS: 33
EXEMPLARY CLAIM: 1,11
LINE COUNT: 1764
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Novel compounds of the general formula ##STR1## wherein Ar represents a substituted or unsubstituted aromatic or heterocyclic group; W represents alkylene of from 1 to about 10 carbon atoms; and B represents --NR.sub.2 COR.sub.1, --NR.sub.2 CONR.sub.1 R.sub.3, --NR.sub.2 SO.sub.2 R.sub.1, --NR.sub.2 SO.sub.2 NR.sub.1 R.sub.3, or --NR.sub.2 COOR.sub.1 wherein R.sub.1, R.sub.2 and R.sub.3 may be the same or different and may be hydrogen, alkyl, alkoxyalkyl, cycloalkyl, alkenyl, alkynyl, aryl, heteroaryl, or aralkyl, except that R.sub.1 is not hydrogen when B is --NR.sub.2 SO.sub.2 R.sub.1 or --NR.sub.2 COOR.sub.1, or R.sub.1 and R.sub.3 may together with N form a 5 to 7 membered heterocyclic group; and the pharmaceutically acceptable salts thereof. These compounds exhibit .beta.-adrenergic blocking activity and are also useful in the treatment of glaucoma.

IT **75930-29-9P**
(prepn. of)
RN 75930-29-9 USPATFULL
CN Urea, N-(2-aminoethyl)-N'-methyl- (9CI) (CA INDEX NAME)

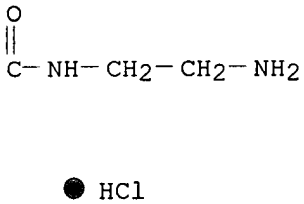


L25 ANSWER 4 OF 7 USPATFULL
ACCESSION NUMBER: 89:4612 USPATFULL
TITLE: 2-hydroxypropylamine heteroaryl ester derivatives
INVENTOR(S): Kam, Sheung T., Chicago, IL, United States
Matier, William L., Libertyville, IL, United States
Patil, Ghanshyam, Vernon Hills, IL, United States
Mai, Khuong H. X., Waukegan, IL, United States
PATENT ASSIGNEE(S): E. I. Du Pont de Nemours and Company, Wilmington, DE, United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 4798892	19890117
APPLICATION INFO.:	US 1986-851629	19860414 (6)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1981-320773, filed on 12 Nov 1981, now patented, Pat. No. US 4582855, issued on 15 Apr 1986
DOCUMENT TYPE: Utility
PRIMARY EXAMINER: Raymond, Richard L.
LEGAL REPRESENTATIVE: Fato, Gildo E.

NUMBER OF CLAIMS: 9
EXEMPLARY CLAIM: 1
LINE COUNT: 1391
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to compounds of the general formula ##STR1## wherein Ar represents a substituted or unsubstituted heterocyclic group; W represents alkylene of from 1 to about 10 carbon atoms; and B represents --NR.sub.2 COR.sub.1, --NR.sub.2 CONR.sub.1 R.sub.3, --NR.sub.2 SO.sub.2 R.sub.1, NR.sub.2 SO.sub.2 NR.sub.1 R.sub.3, or --NR.sub.2 COOR.sub.1, wherein R.sub.1, R.sub.2 and R.sub.3 may be alike or different and may be hydrogen, alkyl, alkoxyalkyl cycloalkyl, alkenyl, alkynyl, aryl, heteroaryl, or aralkyl, except that R.sub.1 is not hydrogen when B is --NR.sub.2 SO.sub.2 R.sub.1 or --NR.sub.2 COOR.sub.1, or R.sub.1 and R.sub.3 may together with N form a
5 to 7 membered heterocyclic group and the pharmaceutically acceptable salts thereof. The compounds exhibit beta-adrenergic blocking activity and are also useful in the treatment of glaucoma.
IT **122036-80-0P**
(prepn. and reaction of, in prepn. of .beta.-adrenergic blockers)
RN 122036-80-0 USPATFULL
CN Urea, N-(2-aminoethyl)-N'-methyl-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

L25 ANSWER 5 OF 7 USPATFULL
ACCESSION NUMBER: 87:3253 USPATFULL
TITLE: Para-substituted 3-phenoxy-1-carbonylamino-alkylamino-propanol compounds, beta receptor blocking compositions and use
INVENTOR(S): Gustafsson, Bill B. R., Bollebygd, Sweden
Hedberg, Sven A., Gr.ang.bo, Sweden
Lundgren, Bo T., Frilles.ang.s, Sweden
PATENT ASSIGNEE(S): Aktiebolaget Hassle, Molndal, Sweden (non-U.S. corporation)

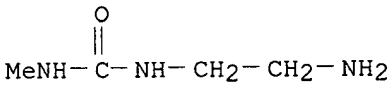
	NUMBER	DATE
PATENT INFORMATION:	US 4636501	19870113
APPLICATION INFO.:	US 1985-757763	19850722 (6)

RELATED APPLN. INFO.: Continuation of Ser. No. US 1984-621147, filed on 18 Jun 1984, now abandoned which is a continuation of Ser. No. US 1983-482266, filed on 5 Apr 1983, now abandoned which is a continuation-in-part of Ser. No. US

1982-450006, filed on 15 Dec 1982, now abandoned

	NUMBER	DATE
PRIORITY INFORMATION:	SE 1981-7574	19811217

DOCUMENT TYPE: Utility
PRIMARY EXAMINER: Ramsuer, Robert W.
LEGAL REPRESENTATIVE: Brumbaugh, Graves, Donohue & Raymond
NUMBER OF CLAIMS: 18
EXEMPLARY CLAIM: 1,9
LINE COUNT: 1017
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Compounds of the formula ##STR1## having beta receptor blocking properties, are disclosed.
IT **75930-29-9**
(ring cleavage by, of glycidyl aryl ethers)
RN 75930-29-9 USPATFULL
CN Urea, N-(2-aminoethyl)-N'-methyl- (9CI) (CA INDEX NAME)



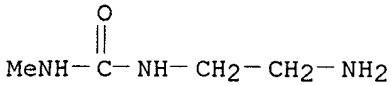
L25 ANSWER 6 OF 7 USPATFULL
ACCESSION NUMBER: 86:21877 USPATFULL
TITLE: Aromatic and esters of hydroxypropylamines
INVENTOR(S): Kam, Sheung T., Vernon Hills, IL, United States
Matier, William L., Libertyville, IL, United States
PATENT ASSIGNEE(S): American Hospital Supply Corporation, Evanston, IL, United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 4582855	19860415
APPLICATION INFO.:	US 1981-320773	19811112 (6)

DOCUMENT TYPE: Utility
PRIMARY EXAMINER: Jiles, Henry R.
ASSISTANT EXAMINER: Whittenbaugh, Robert C.
LEGAL REPRESENTATIVE: Kanady, Mary Jo; Barbeau, Donald L.; Fato, Gildo E.
NUMBER OF CLAIMS: 57
EXEMPLARY CLAIM: 1,30
LINE COUNT: 1804
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Novel compounds of the general formula ##STR1## wherein Ar represents a substituted or unsubstituted aromatic or heterocyclic group; W represents alkylene of from 1 to about 10 carbon atoms; and B represents
--NR.sub.2 COR.sub.1, --NR.sub.2 CONR.sub.1 R.sub.3, --NR.sub.2 SO.sub.2
R.sub.1, --NR.sub.2 SO.sub.2 NR.sub.1 R.sub.3, or --NR.sub.2 COOR.sub.1 wherein R.sub.1, R.sub.2 and R.sub.3 may be the same or different and may be hydrogen, alkyl, alkoxyalkyl, cycloalkyl, alkenyl, alkynyl, aryl,

heteroaryl, or aralkyl, except that R.sub.1 is not hydrogen when B is --NR.sub.2 SO.sub.2 R.sub.1 or --NR.sub.2 COOR.sub.1, or R.sub.1 and R.sub.3 may together with N form a 5 to 7 momoered heterocyclic group; and the pharmaceutically acceptable salts thereof. These compounds exhibit .beta.-adrenergic blocking activity and are also useful in the treatment of glaucoma.

IT **75930-29-9P**
(prepn. of)
RN 75930-29-9 USPATFULL
CN Urea, N-(2-aminoethyl)-N'-methyl- (9CI) (CA INDEX NAME)



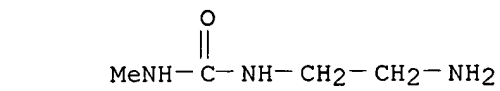
L25 ANSWER 7 OF 7 USPATFULL

ACCESSION NUMBER:	84:2057 USPATFULL	
TITLE:	3-Aminopropoxyphenyl derivatives and pharmaceutical compositions containing them	
INVENTOR(S):	Berthold, Richard, Bottmingen, Switzerland Louis, William J., Kew, Australia	
PATENT ASSIGNEE(S):	Sandoz Ltd., Basel, Switzerland (non-U.S. corporation)	
	NUMBER	DATE
PATENT INFORMATION:	US 4425362	19840110
APPLICATION INFO.:	US 1981-318292	19811104 (6)
	NUMBER	DATE
PRIORITY INFORMATION:	CH 1980-8249	19801106
	CH 1980-9347	19801218
	CH 1981-4073	19810619
	CH 1981-4074	19810619
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Torrence, Dolph H.	
LEGAL REPRESENTATIVE:	Sharkin, Gerald D.; Honor, Robert S.	
NUMBER OF CLAIMS:	11	
EXEMPLARY CLAIM:	1,10	
LINE COUNT:	1101	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The compounds of formula I, ##STR1## wherein the substituents have various significances, and physiologically acceptable hydrolyzable derivatives thereof having the hydroxy group in the 2 position of the 3-aminopropoxy side chain in esterified form, are useful as cardioselective .beta.-adrenoceptor blocking agents.

IT **75930-29-9**
(reaction of, with (epoxypropoxy)benzene derivs.)
RN 75930-29-9 USPATFULL
CN Urea, N-(2-aminoethyl)-N'-methyl- (9CI) (CA INDEX NAME)



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COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                    36.50     635.00

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                     0.00     -15.88

FILE 'REGISTRY' ENTERED AT 11:05:41 ON 01 JUN 2001
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STRUCTURE FILE UPDATES:   30 MAY 2001  HIGHEST RN 339046-06-9
DICTIONARY FILE UPDATES:  30 MAY 2001  HIGHEST RN 339046-06-9

TSCA INFORMATION NOW CURRENT THROUGH January 11, 2001

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Structure search limits have been increased.  See HELP SLIMIT
for details.

=> d his

     (FILE 'HOME' ENTERED AT 10:38:39 ON 01 JUN 2001)

     FILE 'REGISTRY' ENTERED AT 10:38:44 ON 01 JUN 2001
L1              STRUCTURE UPLOADED
L2           50 S L1
L3        36270 S L1 FULL
L4              STRUCTURE UPLOADED
L5        14060 S L4 FULL SUB=L3
L6         5399 S L5 AND 3/N
L7          734 S ETHYL(L)DIMETHYL(L)AMINO(L)PROPYL(L)UREA
L8            0 S UREA, "N-ETHYL-N'-(3-DIMETHYLAMINOPROPYL)-"
L9            4 S ETHYL(L)DIMETHYLAMINOPROPYL(L)UREA
L10           3 S L9 AND 1/NC
L11           1 S L10 AND 1/O

     FILE 'CAPLUS' ENTERED AT 10:52:57 ON 01 JUN 2001
L12          15 S L11
L13           2 S L11/THU

     FILE 'USPATFULL' ENTERED AT 10:55:19 ON 01 JUN 2001
L14           2 S L11
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     FILE 'MARPAT' ENTERED AT 10:56:49 ON 01 JUN 2001
L15           0 S L11
L16           0 S L9

     FILE 'BEILSTEIN' ENTERED AT 10:57:15 ON 01 JUN 2001
L17           1 S L11

     FILE 'REGISTRY' ENTERED AT 10:57:49 ON 01 JUN 2001
L18             STRUCTURE UPLOADED
L19       11247 S L18 FULL SUB=L3
L20          50 S L18
L21           0 S L18 CSS
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     FILE 'CAPLUS' ENTERED AT 11:01:43 ON 01 JUN 2001
L23          10 S L22
L24           0 S L22/THU

     FILE 'USPATFULL' ENTERED AT 11:03:35 ON 01 JUN 2001
L25           7 S L22

     FILE 'REGISTRY' ENTERED AT 11:05:41 ON 01 JUN 2001

=> s l18 full
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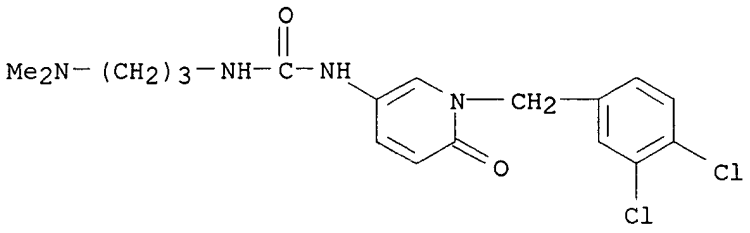
FULL SCREEN SEARCH COMPLETED -  54245 TO ITERATE

100.0% PROCESSED   54245 ITERATIONS                          11247 ANSWERS
SEARCH TIME: 00.00.05

L26       11247 SEA SSS FUL L18

=> d scan

L26  11247 ANSWERS   REGISTRY  COPYRIGHT 2001 ACS
IN   Urea,
N-[1-[(3,4-dichlorophenyl)methyl]-1,6-dihydro-6-oxo-3-pyridinyl]-N'-
     [3-(dimethylamino)propyl]- (9CI)
MF   C18 H22 Cl2 N4 O2
```

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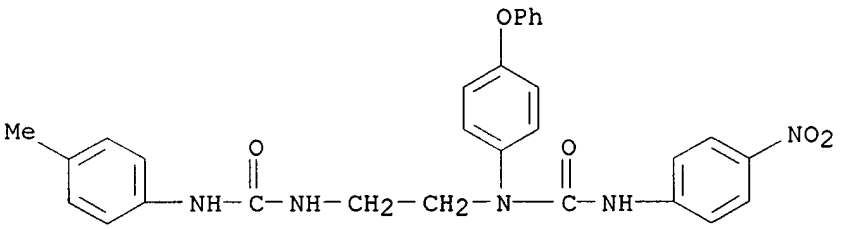
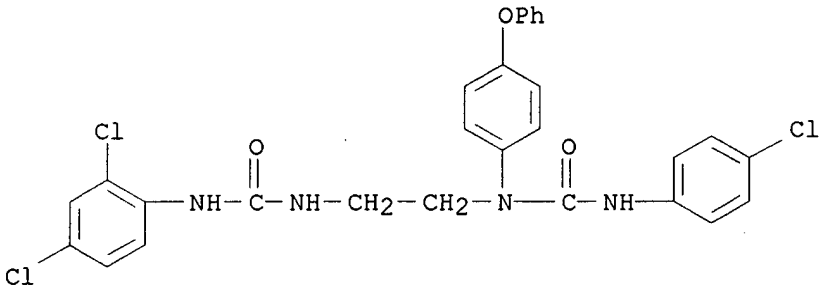
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):2

L26  11247 ANSWERS   REGISTRY  COPYRIGHT 2001 ACS
IN   Urea, N-[2-[[[(4-methylphenyl)amino]carbonyl]amino]ethyl]-N'-(4-
```

nitrophenyl)-N-(4-phenoxyphenyl)- (9CI)
MF C29 H27 N5 O5



L26 11247 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Urea,
N'-(4-chlorophenyl)-N-[2-[[[(2,4-dichlorophenyl)amino]carbonyl]amino
]ethyl]-N-(4-phenoxyphenyl)- (9CI)
MF C28 H23 Cl3 N4 O3



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

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=> d his

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FILE 'REGISTRY' ENTERED AT 10:38:44 ON 01 JUN 2001
L1 STRUCTURE UPLOADED
L2 50 S L1
L3 36270 S L1 FULL
L4 STRUCTURE UPLOADED
L5 14060 S L4 FULL SUB=L3
L6 5399 S L5 AND 3/N
L7 734 S ETHYL(L)DIMETHYL(L)AMINO(L)PROPYL(L)UREA
L8 0 S UREA, "N-ETHYL-N'-(3-DIMETHYLAMINOPROPYL)-"
L9 4 S ETHYL(L)DIMETHYLAMINOPROPYL(L)UREA

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L10           3 S L9 AND 1/NC
L11           1 S L10 AND 1/O

     FILE 'CAPLUS' ENTERED AT 10:52:57 ON 01 JUN 2001
L12          15 S L11
L13           2 S L11/THU

     FILE 'USPATFULL' ENTERED AT 10:55:19 ON 01 JUN 2001
L14           2 S L11

     FILE 'MARPAT' ENTERED AT 10:56:49 ON 01 JUN 2001
L15           0 S L11
L16           0 S L9

     FILE 'BEILSTEIN' ENTERED AT 10:57:15 ON 01 JUN 2001
L17           1 S L11

     FILE 'REGISTRY' ENTERED AT 10:57:49 ON 01 JUN 2001
L18             STRUCTURE UPLOADED
L19       11247 S L18 FULL SUB=L3
L20          50 S L18
L21           0 S L18 CSS
L22           8 S L18 CSS FULL

     FILE 'CAPLUS' ENTERED AT 11:01:43 ON 01 JUN 2001
L23          10 S L22
L24           0 S L22/THU

     FILE 'USPATFULL' ENTERED AT 11:03:35 ON 01 JUN 2001
L25           7 S L22

     FILE 'REGISTRY' ENTERED AT 11:05:41 ON 01 JUN 2001
L26       11247 S L18 FULL
L27             STRUCTURE UPLOADED

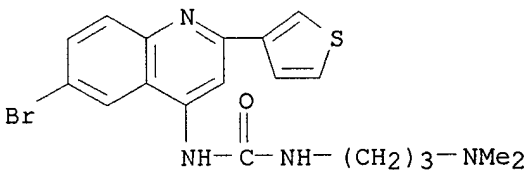
=> s l27 sub=l26 full
FULL SUBSET SEARCH INITIATED 11:08:23 FILE 'REGISTRY'
FULL SUBSET SCREEN SEARCH COMPLETED -  11247 TO ITERATE

100.0% PROCESSED   11247 ITERATIONS                          3145 ANSWERS
SEARCH TIME: 00.00.02

L28         3145 SEA SUB=L26 SSS FUL L27

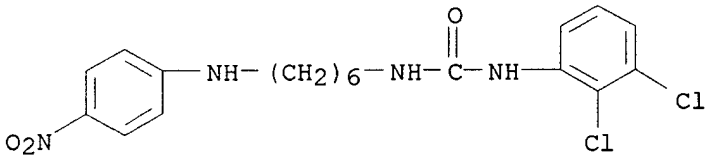
=> d scan

L28  3145 ANSWERS   REGISTRY  COPYRIGHT 2001 ACS
IN   Urea,
N-[6-bromo-2-(3-thienyl)-4-quinolinyl]-N'-[3-(dimethylamino)propyl]-
     (9CI)
MF   C19 H21 Br N4 O S
```



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L28 3145 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Urea, N-(2,3-dichlorophenyl)-N'-[6-[(4-nitrophenyl)amino]hexyl]- (9CI)
MF C19 H22 Cl2 N4 O3



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=>
Uploading 489.str

L29 STRUCTURE UPLOADED

=> d his

(FILE 'HOME' ENTERED AT 10:38:39 ON 01 JUN 2001)

FILE 'REGISTRY' ENTERED AT 10:38:44 ON 01 JUN 2001
L1 STRUCTURE UPLOADED
L2 50 S L1
L3 36270 S L1 FULL
L4 STRUCTURE UPLOADED
L5 14060 S L4 FULL SUB=L3
L6 5399 S L5 AND 3/N
L7 734 S ETHYL(L)DIMETHYL(L)AMINO(L)PROPYL(L)UREA
L8 0 S UREA, "N-ETHYL-N'-(3-DIMETHYLAMINOPROPYL)-"
L9 4 S ETHYL(L)DIMETHYLAMINOPROPYL(L)UREA
L10 3 S L9 AND 1/NC
L11 1 S L10 AND 1/O

FILE 'CAPLUS' ENTERED AT 10:52:57 ON 01 JUN 2001
L12 15 S L11
L13 2 S L11/THU

FILE 'USPATFULL' ENTERED AT 10:55:19 ON 01 JUN 2001
L14 2 S L11

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     FILE 'MARPAT' ENTERED AT 10:56:49 ON 01 JUN 2001
L15           0 S L11
L16           0 S L9

     FILE 'BEILSTEIN' ENTERED AT 10:57:15 ON 01 JUN 2001
L17           1 S L11

     FILE 'REGISTRY' ENTERED AT 10:57:49 ON 01 JUN 2001
L18             STRUCTURE UPLOADED
L19       11247 S L18 FULL SUB=L3
L20          50 S L18
L21           0 S L18 CSS
L22           8 S L18 CSS FULL

     FILE 'CAPLUS' ENTERED AT 11:01:43 ON 01 JUN 2001
L23          10 S L22
L24           0 S L22/THU

     FILE 'USPATFULL' ENTERED AT 11:03:35 ON 01 JUN 2001
L25           7 S L22

     FILE 'REGISTRY' ENTERED AT 11:05:41 ON 01 JUN 2001
L26       11247 S L18 FULL
L27             STRUCTURE UPLOADED
L28        3145 S L27 FULL SUB=L26
L29             STRUCTURE UPLOADED

=> s l29 sub=l28 full
FULL SUBSET SEARCH INITIATED 11:13:36 FILE 'REGISTRY'
FULL SUBSET SCREEN SEARCH COMPLETED -   3145 TO ITERATE

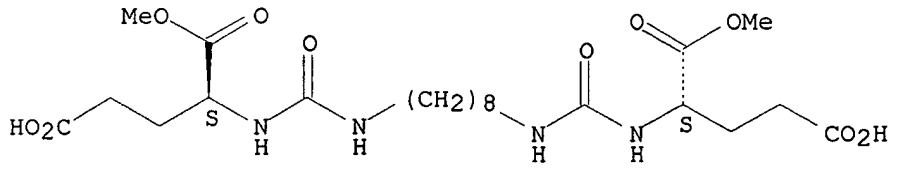
100.0% PROCESSED    3145 ITERATIONS                          1523 ANSWERS
SEARCH TIME: 00.00.04

L30         1523 SEA SUB=L28 SSS FUL L29

=> d scan

L30  1523 ANSWERS   REGISTRY  COPYRIGHT 2001 ACS
IN   4,6,15,17-Tetraazaeicosane-1,3,18,20-tetracarboxylic acid, 5,16-dioxo-,
     3,18-dimethyl ester, (3S,18S)- (9CI)
MF   C22 H38 N4 O10

Absolute stereochemistry.
```

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HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0
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=> d his

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L1             STRUCTURE UPLOADED
L2            50 S L1
L3         36270 S L1 FULL
L4             STRUCTURE UPLOADED
L5         14060 S L4 FULL SUB=L3
L6          5399 S L5 AND 3/N
L7           734 S ETHYL(L)DIMETHYL(L)AMINO(L)PROPYL(L)UREA
L8             0 S UREA, "N-ETHYL-N'-(3-DIMETHYLAMINOPROPYL)-"
L9             4 S ETHYL(L)DIMETHYLAMINOPROPYL(L)UREA
L10            3 S L9 AND 1/NC
L11            1 S L10 AND 1/O

     FILE 'CAPLUS' ENTERED AT 10:52:57 ON 01 JUN 2001
L12           15 S L11
L13            2 S L11/THU

     FILE 'USPATFULL' ENTERED AT 10:55:19 ON 01 JUN 2001
L14            2 S L11

     FILE 'MARPAT' ENTERED AT 10:56:49 ON 01 JUN 2001
L15            0 S L11
L16            0 S L9

     FILE 'BEILSTEIN' ENTERED AT 10:57:15 ON 01 JUN 2001
L17            1 S L11

     FILE 'REGISTRY' ENTERED AT 10:57:49 ON 01 JUN 2001
L18            STRUCTURE UPLOADED
L19        11247 S L18 FULL SUB=L3
L20           50 S L18
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     FILE 'CAPLUS' ENTERED AT 11:01:43 ON 01 JUN 2001
L23           10 S L22
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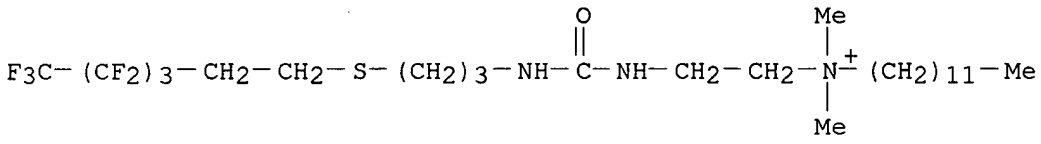
     FILE 'USPATFULL' ENTERED AT 11:03:35 ON 01 JUN 2001
L25            7 S L22

     FILE 'REGISTRY' ENTERED AT 11:05:41 ON 01 JUN 2001
L26        11247 S L18 FULL
L27            STRUCTURE UPLOADED
L28         3145 S L27 FULL SUB=L26
L29            STRUCTURE UPLOADED
L30         1523 S L29 FULL SUB=L28

=> s l30 and 1/o
       2846307 1/O
L31          381 L30 AND 1/O
```

=> d scan

L31 381 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 1-Dodecanaminium, N,N-dimethyl-N-[2-[[[[3-[(3,3,4,4,5,5,6,6,6-nonafluorohexyl)thio]propyl]amino]carbonyl]amino]ethyl]-, bromide (9CI)
MF **C26 H47 F9 N3 O S . Br**



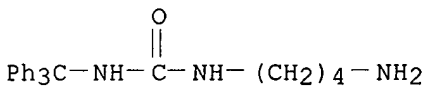
● Br^-

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> s l31 not s/els
4193743 S/ELS
L32 331 L31 NOT S/ELS

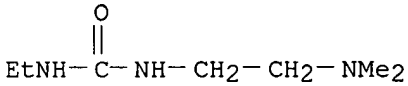
=> d scan

L32 331 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Urea, N-(4-aminobutyl)-N'-(triphenylmethyl)- (9CI)
MF **C24 H27 N3 O**



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

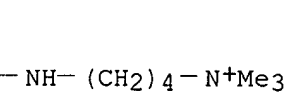
L32 331 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Urea, N-[2-(dimethylamino)ethyl]-N'-ethyl-, monohydrochloride (9CI)
MF **C7 H17 N3 O . Cl H**



HCl

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L32 331 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 1-Butanaminium, N,N,N-trimethyl-4-[[(methylamino)carbonyl]amino]- (9CI)
MF **C9 H22 N3 O**
CI COM



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	208.50	843.50

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-15.88

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FILE COVERS 1947 - 1 Jun 2001 VOL 134 ISS 23
FILE LAST UPDATED: 30 May 2001 (20010530/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REG1stRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

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=> d his

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     FILE 'REGISTRY' ENTERED AT 10:38:44 ON 01 JUN 2001
L1             STRUCTURE UPLOADED
L2          50 S L1
L3       36270 S L1 FULL
L4             STRUCTURE UPLOADED
L5       14060 S L4 FULL SUB=L3
L6        5399 S L5 AND 3/N
L7         734 S ETHYL(L)DIMETHYL(L)AMINO(L)PROPYL(L)UREA
L8           0 S UREA, "N-ETHYL-N'-(3-DIMETHYLAMINOPROPYL)-"
L9           4 S ETHYL(L)DIMETHYLAMINOPROPYL(L)UREA
L10          3 S L9 AND 1/NC
L11          1 S L10 AND 1/O

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L12         15 S L11
L13          2 S L11/THU

     FILE 'USPATFULL' ENTERED AT 10:55:19 ON 01 JUN 2001
L14          2 S L11

     FILE 'MARPAT' ENTERED AT 10:56:49 ON 01 JUN 2001
L15          0 S L11
L16          0 S L9

     FILE 'BEILSTEIN' ENTERED AT 10:57:15 ON 01 JUN 2001
L17          1 S L11

     FILE 'REGISTRY' ENTERED AT 10:57:49 ON 01 JUN 2001
L18            STRUCTURE UPLOADED
L19      11247 S L18 FULL SUB=L3
L20         50 S L18
L21          0 S L18 CSS
L22          8 S L18 CSS FULL

     FILE 'CAPLUS' ENTERED AT 11:01:43 ON 01 JUN 2001
L23         10 S L22
L24          0 S L22/THU

     FILE 'USPATFULL' ENTERED AT 11:03:35 ON 01 JUN 2001
L25          7 S L22

     FILE 'REGISTRY' ENTERED AT 11:05:41 ON 01 JUN 2001
L26      11247 S L18 FULL
L27            STRUCTURE UPLOADED
L28       3145 S L27 FULL SUB=L26
L29            STRUCTURE UPLOADED
L30       1523 S L29 FULL SUB=L28
L31        381 S L30 AND 1/O
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L32 331 S L31 NOT S/ELS

FILE 'CAPLUS' ENTERED AT 11:14:57 ON 01 JUN 2001

=> s l32/thu
226 L32
375285 THU/RL
L33 14 L32/THU
(L32 (L) THU/RL)

=> d ibib ab hitstr 1-14

L33 ANSWER 1 OF 14 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 2001:338479 CAPLUS
TITLE: Preparation of amides and ureas as activators of soluble guanylate cyclase
INVENTOR(S): Selwood, David; Glen, Robert; Reynolds, Karen; Wishart, Grant
PATENT ASSIGNEE(S): University College London, UK
SOURCE: PCT Int. Appl., 101 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001032604	A1	20010510	WO 2000-GB4249	20001106

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

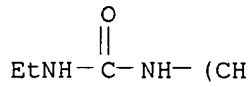
PRIORITY APPLN. INFO.: GB 1999-26286 A 19991105
US 2000-201382 P 20000502

AB The title compds. R4PZNR1R2 [I; R1, R2 = alkyl; R1R2 together form alkylene; Z = alkylene; P = a direct bond, X, Y, W, XY, YW, XYW (wherein W = O, S, NR3; R3 = H, alkyl; Y = UV; V = a direct bond, alkylene; U = CS, CO, SO2, C(:NR); R = H, OH, alkyl; X = O, NR6; R6 = H, alkyl, alkenyl, etc.); R4 = alkyl, alkenyl, alkynyl, etc.], useful in the activation of sol. guanylate cyclase, were prepd. E.g., synthesis of the urea II, starting with 4-bromoaniline and 1-(3-aminopropyl)pyrrolidine, was given. Biol. data for compds. I (e.g., IC50 for inhibition of platelet aggregation) were presented.

IT **32897-26-0P 338980-63-5P**
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); **THU (Therapeutic use)**; BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of amides and ureas as activators of sol. guanylate cyclase)

RN 32897-26-0 CAPLUS

CN Urea, N-[3-(dimethylamino)propyl]-N'-ethyl- (9CI) (CA INDEX NAME)



RN 338980-63-5 CAPLUS
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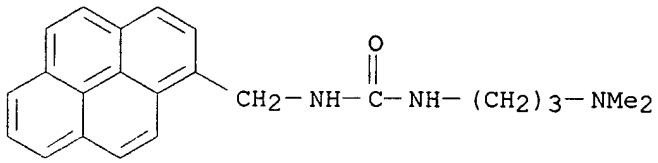


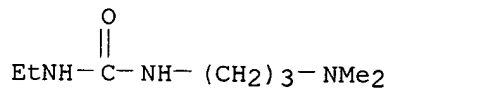
REFERENCE COUNT: 24
REFERENCE(S): (8) Catanese, B; BOLLETTINO CHIMICO FARMACEUTICO 1986, V125(7), P228 CAPLUS
(9) Farbenfabriken Bayer Ag; DE 890958 C CAPLUS
(10) Glen, R; WO 0027394 A 2000 CAPLUS
(12) Hoechst Marion Roussel de Gmbh; EP 0908456 A 1999 CAPLUS
(13) Hoechst Marion Roussel de Gmbh; DE 19756388 A 1999 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L33 ANSWER 2 OF 14 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 2000:725451 CAPLUS
DOCUMENT NUMBER: 133:286497
TITLE: Immunomodulatory compositions and methods of use thereof
INVENTOR(S): Onderdonk, Andrew B.; Tzianabos, Arthur O.; Miller, Robert J.; Calias, Pericles
PATENT ASSIGNEE(S): Genzyme Corporations, USA
SOURCE: PCT Int. Appl., 62 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

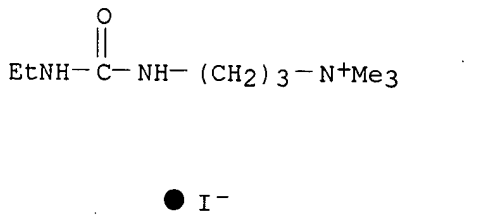
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000059490	A2	20001012	WO 2000-US9087	20000406
WO 2000059490	A3	20010215		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU,

LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE,
SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW,
AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
PRIORITY APPLN. INFO.: US 1999-128177 P 19990406
OTHER SOURCE(S): MARPAT 133:286497
AB The invention relates to immunomodulatory compns. and related methods. The immunomodulatory compns. are useful for the prevention of sepsis and the treatment and prevention of diseases assocd. with inflammation and/or NOS. CM-cellulose/N-ethyl-N'-(3-dimethylaminopropyl)urea formulations are described.
IT **32897-26-0 121007-41-8**
RL: **THU (Therapeutic use)**; BIOL (Biological study); USES (Uses) (immunomodulatory compns.)
RN 32897-26-0 CAPLUS
CN Urea, N-[3-(dimethylamino)propyl]-N'-ethyl- (9CI) (CA INDEX NAME)



RN 121007-41-8 CAPLUS
CN 1-Propanaminium, 3-[[(ethylamino)carbonyl]amino]-N,N,N-trimethyl-, iodide (9CI) (CA INDEX NAME)



L33 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 2000:368337 CAPLUS
DOCUMENT NUMBER: 133:4656
TITLE: Preparation of heteroarylpyrazoles as p38 kinase inhibitors
INVENTOR(S): Anantanarayan, Ashok; Clare, Michael; Collins, Paul W.; Crich, Joyce Z.; Devraj, Rajesh; Flynn, Daniel L.; Geng, Lifeng; Graneto, Matthew J.; Hanau, Cathleen E.; Hanson, Gunnar J.; Hartmann, Susan J.; Hepperle, Michael; Huang, He; Khanna, Ish K.; Koszyk, Francis J.; Liao, Shuyuan; Metz, Suzanne; Partis, Richard A.; Perry, Thao D.; Rao, Shashidhar N.; Selness, Shaun Raj; South, Michael S.; Stealey, Michael A.; et al.

PATENT ASSIGNEE(S): G.D. Searle & Co., USA
SOURCE: PCT Int. Appl., 1210 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000031063	A1	20000602	WO 1999-US26007	19991117

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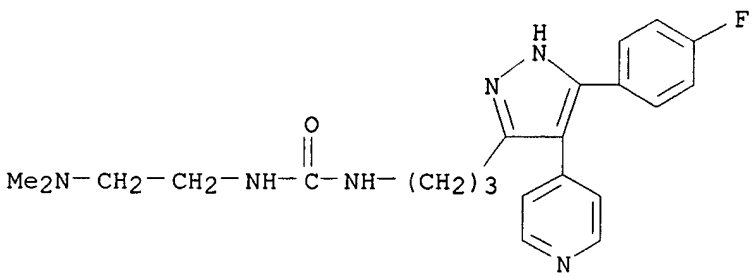
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 1998-196623 A 19981120
OTHER SOURCE(S): MARPAT 133:4656

AB Title compds. [I; R1 = H, OH, NH2, (cyclo)alk(en)yl, acyl, aryl, etc.; R2 = H, halo, alkyl, alkoxy, (un)substituted piperidinyl, etc.; R3 = pyridyl, pyrimidinyl, quinolyl, etc.; R4 = H, alkyl, heterocyclyl, aryl, etc.] were prepd. by reaction of ketones with hydrazines. Thus, R3CH2COMe (R3 = 4-pyridinyl) was condensed with 3,4-F(MeO)C6H3CHO and the product cyclocondensed with TsNHNH2 to give title compd. II. Data for biol. activity of I were given.

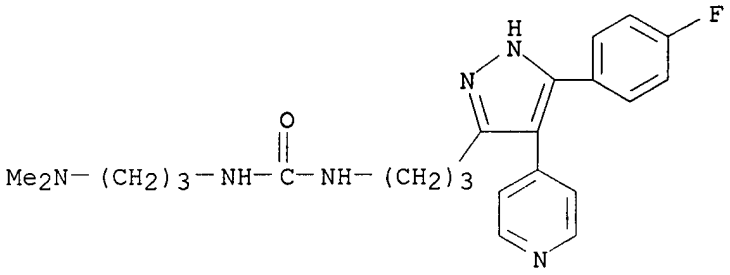
IT **216523-08-9P 216523-09-0P**
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); **THU (Therapeutic use)**; BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of heteroarylpyrazole p38 kinase inhibitors by cyclocondensation of hydrazines with ketones)

RN 216523-08-9 CAPLUS
CN Urea,
N-[2-(dimethylamino)ethyl]-N'-[3-[5-(4-fluorophenyl)-4-(4-pyridinyl)-1H-pyrazol-3-yl]propyl]- (9CI) (CA INDEX NAME)



RN 216523-09-0 CAPLUS

CN Urea, N-[3-(dimethylamino)propyl]-N'-[3-[5-(4-fluorophenyl)-4-(4-pyridinyl)-1H-pyrazol-3-yl]propyl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 10
REFERENCE(S):
(1) Anantanarayan, A; WO 9852937 A 1998 CAPLUS
(2) Anantanarayan, A; WO 9852940 A 1998 CAPLUS
(3) Fujisawa Pharmaceutical Co; EP 0531901 A 1993 CAPLUS
(4) Lilly Co Eli; EP 0846687 A 1998 CAPLUS
(5) Oku Teruo; WO 9419350 A 1994 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L33 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 2000:307141 CAPLUS
DOCUMENT NUMBER: 132:331676
TITLE: Fluorescence immunoassays using analyte (analog)-conjugated porphyrin-silicon complex fluorescent dyes free of aggregation and serum binding
INVENTOR(S): Devlin, Robert Francis; Dandliker, Walter Beach; Arrhenius, Peter Olaf Gustaf
PATENT ASSIGNEE(S): Hyperion, Inc., USA
SOURCE: U.S., 58 pp., Cont.-in-part of U.S. 5,880,287. CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 9
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6060598	A	20000509	US 1997-874820	19970613
US 5403928	A	19950404	US 1991-701449	19910515
US 5641878	A	19970624	US 1994-333603	19941102
US 5677199	A	19971014	US 1994-346098	19941129
US 5880287	A	19990309	US 1995-476544	19950606

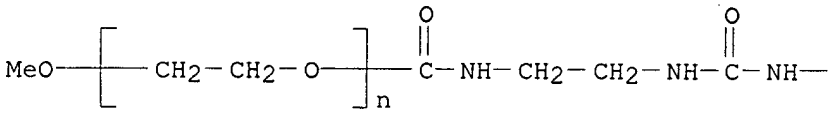
PRIORITY APPLN. INFO.:
US 1990-523601 B2 19900515
US 1990-524212 B2 19900515
US 1991-701449 A3 19910515
US 1991-701465 B1 19910515
US 1994-333603 A2 19941102
US 1994-346098 A2 19941129
US 1995-476544 A2 19950606

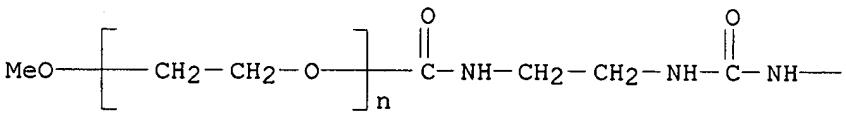
AB Fluorescence immunoassay methods are provided which use fluorescent dyes which are free of aggregation and serum binding. Such immunoassay methods are thus, particularly useful for the assay of biol. fluids, such as serum, plasma, whole blood and urine. The compds. of the invention, whose prepn. is described, include silicon complexes with porphyrin derivs. which are linked to an analyte or analog thereof , e.g. a caged dicarboxy silicon phthalocyanine digoxin probe.

IT **267422-47-9P**
RL: ARG (Analytical reagent use); BUU (Biological use, unclassified); PRP (Properties); SPN (Synthetic preparation); **THU (Therapeutic use)** ; ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)
(fluorescence immunoassays using analyte (analog)-conjugated porphyrin-silicon complex fluorescent dyes free of aggregation and serum binding)

RN 267422-47-9 CAPLUS

CN Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-methoxy-, ester with hydrogen (OC-6-13)-[3-[[[(5.beta.,12.beta.,14.beta.)-21,23-epoxy-12,14-dihydroxy-23-oxo-24-norchol-20(22)-en-3-yl]amino]carbonyl]-29H,31H-phthalocyanine-2-carboxylato(3-)-.kappa.N29,.kappa.N30,.kappa.N31,.kappa.N32]bis[[2-[[[[3-[(hydroxy-.kappa.O)dimethylsilyl]propyl]amino]carbonyl]aminoll]ethyl]carbamato]silicate(1-) (2:1) (9CI) (CA INDEX NAME)





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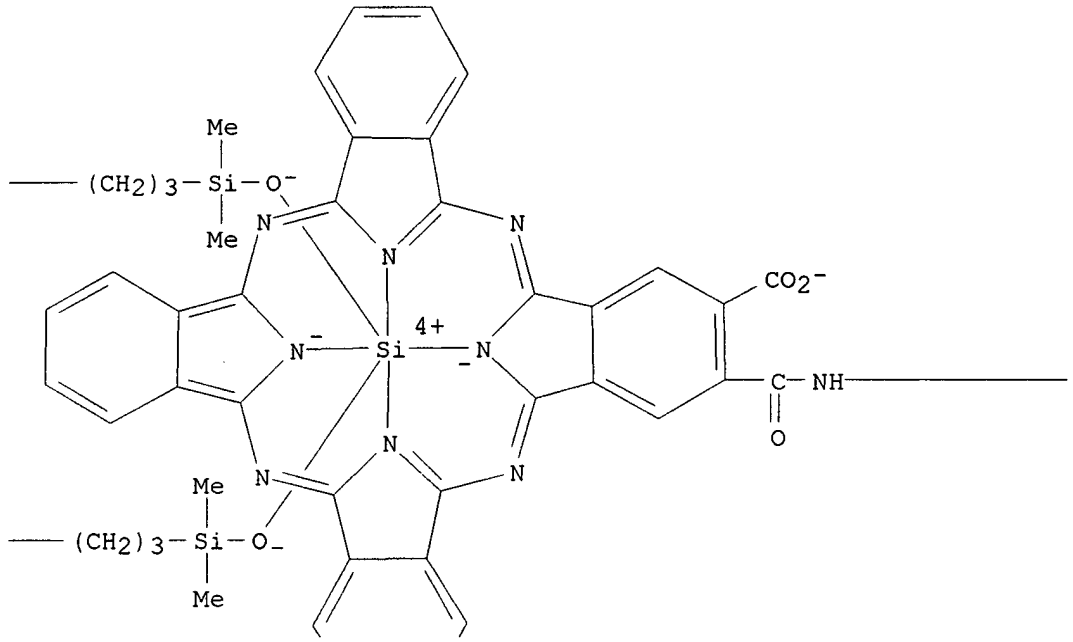

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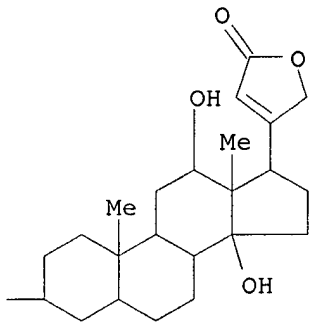


PAGE 2-A

H^+

PAGE 2-A

● H^+

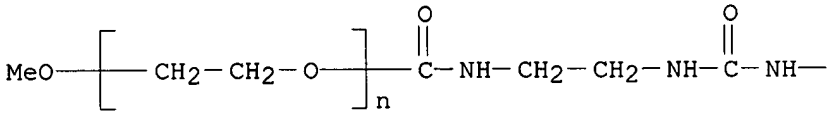
PAGE 2-B

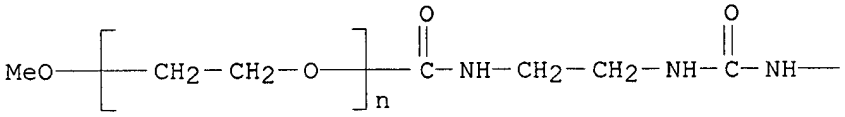
IT **267422-48-0P 267422-49-1P 267422-50-4P**
267422-51-5P 267422-52-6P 267422-53-7P
267422-54-8P
RL: ARG (Analytical reagent use); BUU (Biological use, unclassified); SPN (Synthetic preparation); **THU (Therapeutic use)**; ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)
(fluorescence immunoassays using analyte (analog)-conjugated porphyrin-silicon complex fluorescent dyes free of aggregation and serum binding)

RN 267422-48-0 CAPLUS

CN Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-methoxy-, ester with hydrogen
(OC-6-13)-[3-[[[(5.beta.,14.beta.)-21,23-epoxy-14-hydroxy-23-oxo-24-norchol-20(22)-en-3-yl]aminol]carbonyl]-29H,31H-phthalocyanine-2-carboxylato(3-)-.kappa.N29,.kappa.N30,.kappa.N31,.kappa.N32]bis[[2-[[[3-[(hydroxy-.kappa.O)dimethylsilyl]propyl]amino]carbonyl]aminol]ethyl]carbamato]silicate(1-) (2:1) (9CI) (CA INDEX NAME)

PAGE 1-A





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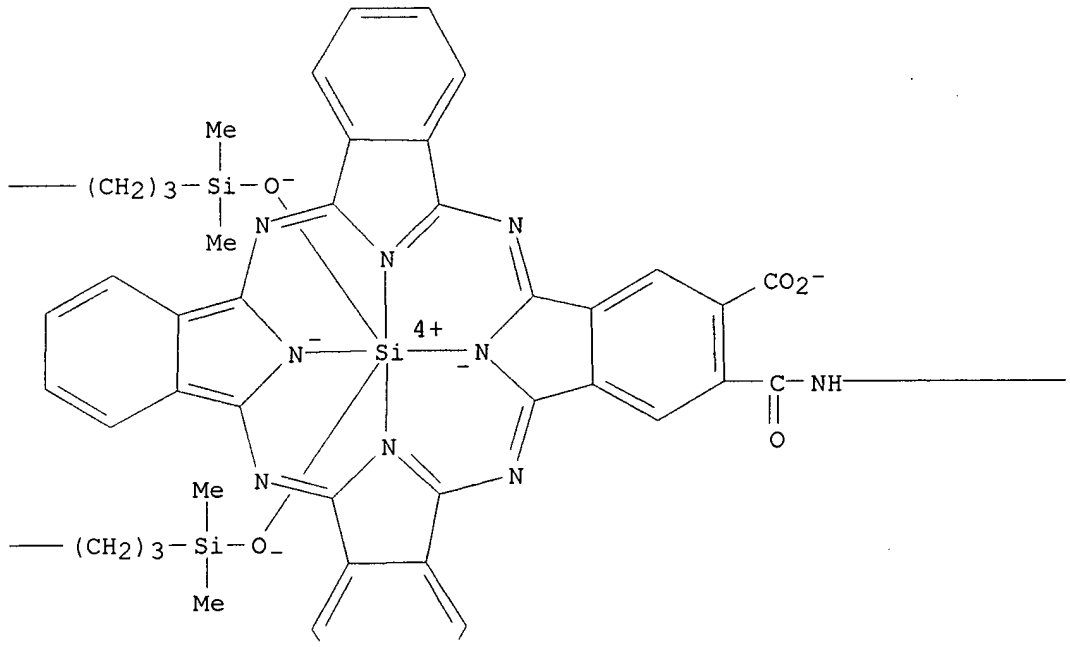

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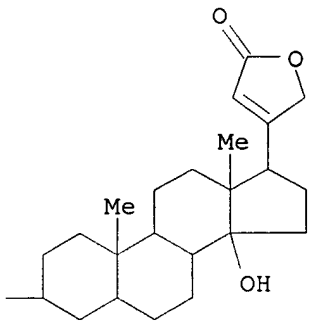
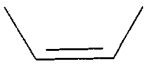


PAGE 2-A

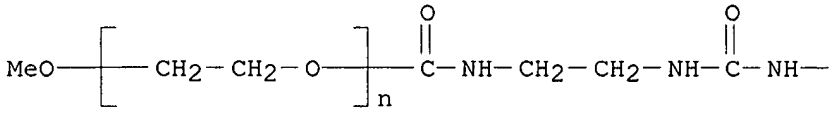
● H^+

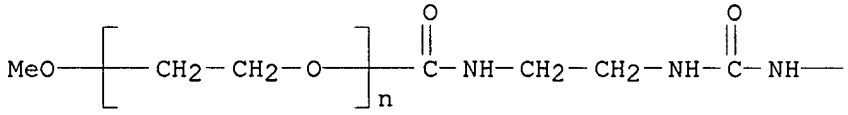
PAGE 2-B



RN 267422-49-1 CAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-methoxy-, 1,1'-diester with trihydrogen (OC-6-13)-[3-[[[2-[[4-(2,3,6,7,8,9-hexahydro-1,3-dimethyl-2,6-dioxo-1H-purin-8-yl)-1-oxobutyl]amino]ethyl]amino]carbonyl]-29H,31H-phthalocyanine-2-carboxylato(3-)-.kappa.N29,.kappa.N30,.kappa.N31,.kappa.N32]bis[11-(hydroxy-.kappa.O)-11-methyl-6-oxo-2,5,7-triaza-11-siladodecanoato(2-)]silicate(3-) (9CI) (CA INDEX NAME)

PAGE 1-A





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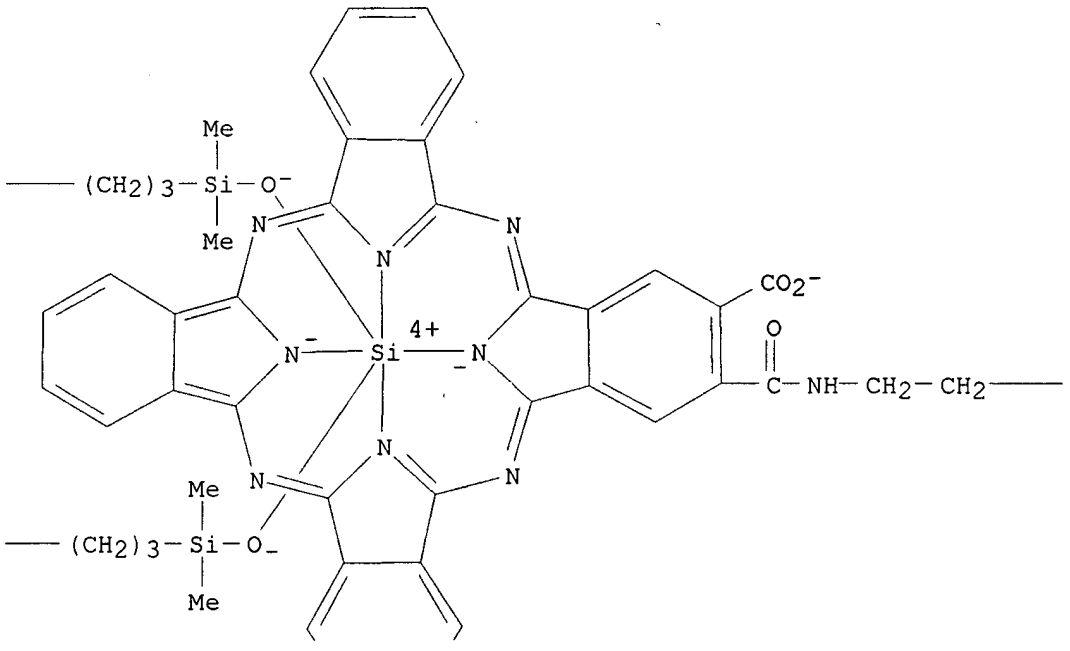

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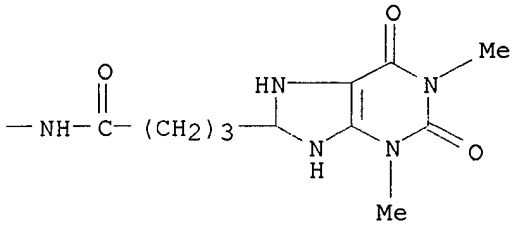

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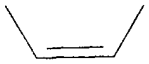
PAGE 2-B

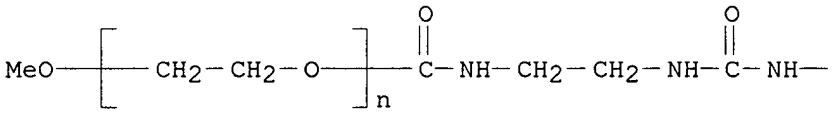


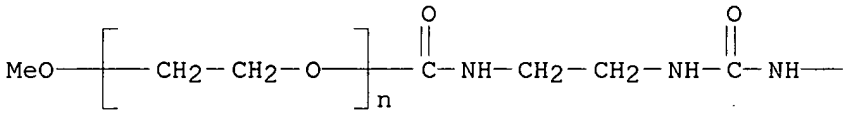
RN 267422-50-4 CAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-methoxy-, 1,1'-diester with trihydrogen (OC-6-13)-[3-[[[4-(5-ethylhexahydro-2,4,6-trioxo-5-pyrimidinyl)phenyl]amino]carbonyl]-29H,31H-phthalocyanine-2-carboxylato(3-)-.kappa.N29,.kappa.N30,.kappa.N31,.kappa.N32]bis[11-(hydroxy-.kappa.O)-11-methyl-6-oxo-2,5,7-triaza-11-siladodecanoato(2-)]silicate(3-) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 267422-51-5 CAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-methoxy-, 1,1'-diester with trihydrogen (OC-6-13)-[3-[[[2-[[[4-(4-hydroxy-3,5-diiodophenoxy)-3,5-diiodophenyl]acetyl]amino]ethyl]amino]carbonyl]-29H,31H-phthalocyanine-2-carboxylato(3-)-.kappa.N29,.kappa.N30,.kappa.N31,.kappa.N32]bis[11-

(hydroxy-.kappa.O)-11-methyl-6-oxo-2,5,7-triaza-11-siladodecanoato(2-)]silicate(3-) (9CI) (CA INDEX NAME)

PAGE 1-A





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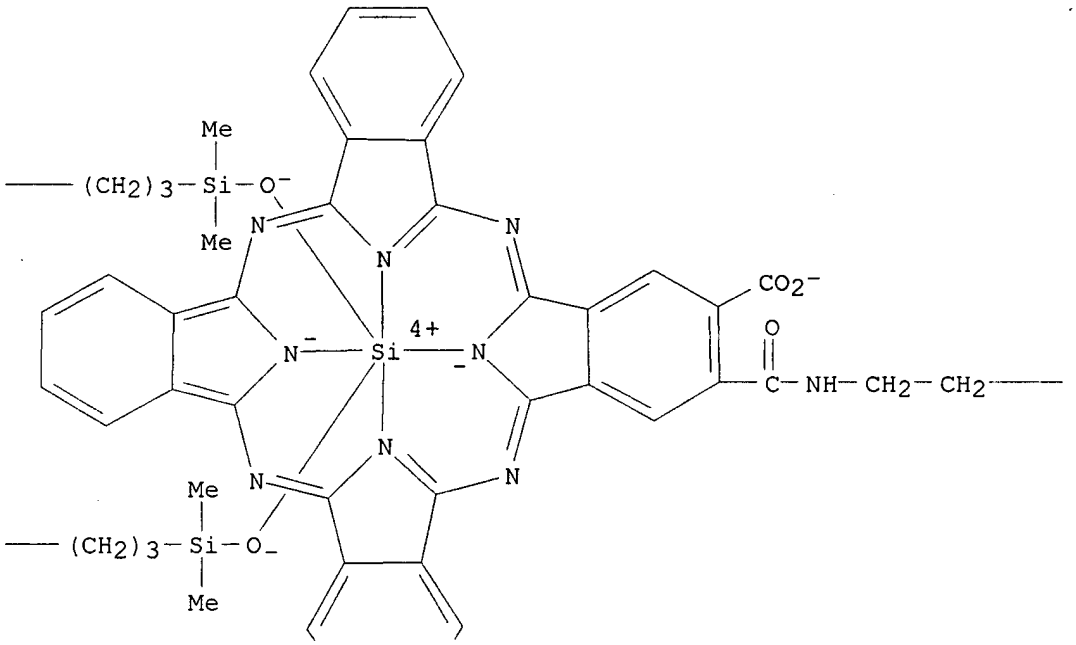

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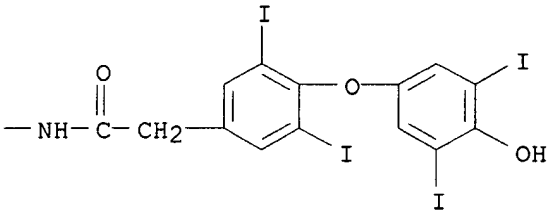

PAGE 2-A

PAGE 2-B

RN 267422-52-6 CAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-methoxy-, 1,1'-diester with trihydrogen (OC-6-13)-[3-[[[2-[[4-(acetylamino)benzoyl]amino]ethyl]ethylamino]carbonyl]-29H,31H-phthalocyanine-2-carboxylato(3-)-.kappa.N29,.kappa.N30,.kappa.N31,.kappa.N32]bis[11-(hydroxy-.kappa.O)-11-methyl-6-oxo-2,5,7-triaza-11-siladodecanoato(2-)]silicate(3-) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
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CN Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-methoxy-, 1,1'-diester with trihydrogen (OC-6-13)-[3-[[[4-(5-ethylhexahydro-4,6-dioxo-5-pyrimidinyl)phenyl]amino]carbonyl]-29H,31H-phthalocyanine-2-carboxylato(3-

)-.kappa.N29,.kappa.N30,.kappa.N31,.kappa.N32]bis[11-(hydroxy-.kappa.O)-11-methyl-6-oxo-2,5,7-triaza-11-siladodecanoato(2-)]silicate(3-) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 267422-54-8 CAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-methoxy-, ester with dihydrogen (OC-6-13)-[3-[[(carboxydiphenylmethyl)amino]carbonyl]-29H,31H-

phthalocyanine-2-carboxylato(4-)-.kappa.N29,.kappa.N30,.kappa.N31,.kappa.N

32]bis[[2-[[[[3-[(hydroxy-.kappa.O)dimethylsilyl]propyl]amino]carbonyl]amino]ethyl]carbamato]silicate(2-) (2:1) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
REFERENCE COUNT: 48
REFERENCE(S): (1) Anon; WO 9118006 1981 CAPLUS
(2) Anon; EP 0260098 1987 CAPLUS
(5) Anon; JP 63264674 1988 CAPLUS
(6) Anon; EP 0336879 1989 CAPLUS
(7) Anon; WO 9002747 1990 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L33 ANSWER 5 OF 14 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1999:795794 CAPLUS
DOCUMENT NUMBER: 132:35701
TITLE: Preparation of imidazolyl derivatives as as agonists or antagonists of somatostatin receptors
INVENTOR(S): Thurieau, Christophe Alain; Poitout, Lydie Francine; Galcera, Marie-Odile; Gordon, Thomas D.; Morgan, Barry; Moinet, Christophe Philippe
PATENT ASSIGNEE(S): Societe de Conseils de Recherches et d'Applications Scientifiques, S.A., Fr.
SOURCE: PCT Int. Appl., 342 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9964401	A2	19991216	WO 1999-US12760	19990608
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9944257	A1	19991230	AU 1999-44257	19990608
EP 1086086	A1	20010328	EP 1999-927323	19990608
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				

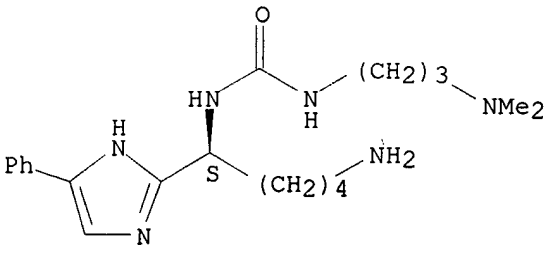
NO 2000006267 A 20010207 NO 2000-6267 20001211
PRIORITY APPLN. INFO.: US 1998-89087 P 19980612
US 1998-96431 A1 19980612
WO 1999-US12760 W 19990608
OTHER SOURCE(S): MARPAT 132:35701

AB The title compds. [I; R1 = H, (CH2)mCO(CH2)mZ1, (CH2)mZ1, etc.; Z1 = (un)substituted benzo[b]thiophene, Ph, naphthyl, etc.; R2 = H, alkyl; R1 and R2 taken together with the nitrogen atoms to which they are attached form II-IV; R3 = (CH2)mE(CH2)mZ2; E = O, S, CO, etc.; Z2 = H, alkyl, NH2, etc.; R4 = H, (CH2)mA1; A1 = C(:Y)NX1X2; C(:Y)X2; C(:NH)X2, X2; Y = O, S; X1 = H, alkyl, etc.; X2 = alkyl, etc.; R5 = alkyl, (un)substituted aryl, etc.; R6 = H, alkyl; R7 = alkyl, (CH2)mZ4; Z4 = (un)substituted Ph, naphthyl, indolyl, etc.; m = 0-6] which are useful as agonists or antagonists of somatostatin receptors (no data), and for inhibiting the proliferation of Helicobacter pylori, were prepd. Thus, activating 2-furancarboxylic acid with carbonyldiimidazole followed by addn. of 2-{(1S)-1-amino-2-(indol-3-yl)ethyl}-4-phenyl-1H-imidazole afforded 94% the title compd. V. Compds. I are effective at 0.01-10.0 mg/kg/day.

IT **252305-00-3P 252311-37-8P 252311-82-3P**
252314-08-2P 252314-32-2P
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); **THU (Therapeutic use)**; BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of imidazolyl derivs. as as agonists or antagonists of somatostatin receptors)

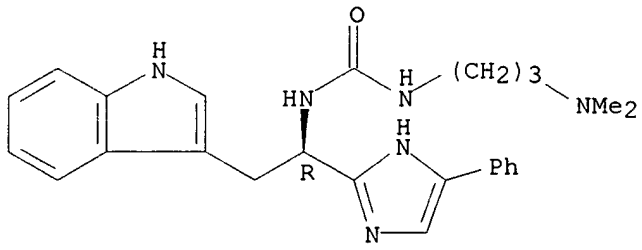
RN 252305-00-3 CAPLUS
CN Urea, N-[(1S)-5-amino-1-(4-phenyl-1H-imidazol-2-yl)pentyl]-N'-[3-(dimethylamino)propyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

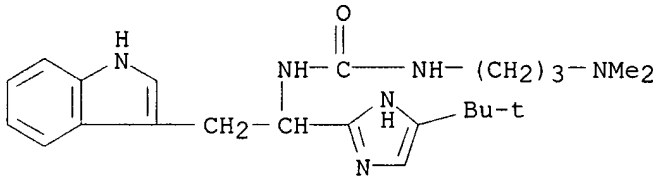


RN 252311-37-8 CAPLUS
CN Urea, N-[3-(dimethylamino)propyl]-N'-[(1R)-2-(1H-indol-3-yl)-1-(4-phenyl-1H-imidazol-2-yl)ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

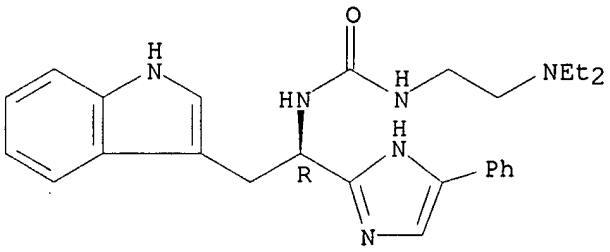


RN 252311-82-3 CAPLUS
CN Urea,
N-[3-(dimethylamino)propyl]-N'-[1-[4-(1,1-dimethylethyl)-1H-imidazol-2-yl]-2-(1H-indol-3-yl)ethyl]- (9CI) (CA INDEX NAME)



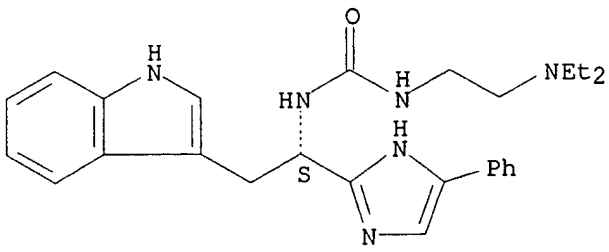
RN 252314-08-2 CAPLUS
CN Urea,
N-[2-(diethylamino)ethyl]-N'-[(1R)-2-(1H-indol-3-yl)-1-(4-phenyl-1H-imidazol-2-yl)ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 252314-32-2 CAPLUS
CN Urea,
N-[2-(diethylamino)ethyl]-N'-[(1S)-2-(1H-indol-3-yl)-1-(4-phenyl-1H-imidazol-2-yl)ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L33 ANSWER 6 OF 14 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1999:783937 CAPLUS
DOCUMENT NUMBER: 132:22973
TITLE: Preparation of pyrrolo[2,3-d]pyrimidines as adenosine receptor antagonists
INVENTOR(S): Castelhano, Arlindo L.; McKibben, Bryan; Witter, David J.
PATENT ASSIGNEE(S): Cadus Pharmaceutical Corp., USA
SOURCE: PCT Int. Appl., 169 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9962518	A1	19991209	WO 1999-US12135	19990601
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9942265	A1	19991220	AU 1999-42265	19990601
BR 9911612	A	20010206	BR 1999-11612	19990601
EP 1082120	A1	20010314	EP 1999-926107	19990601
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
NO 2000006090	A	20010131	NO 2000-6090	20001130

PRIORITY APPLN. INFO.:
US 1998-87702 P 19980602
US 1999-123216 P 19990308
US 1999-126527 P 19990326
WO 1999-US12135 W 19990601

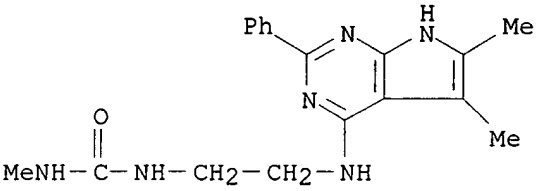
OTHER SOURCE(S): MARPAT 132:22973

AB Title compds. [I; R = NR1R2; R1-R4 = H, alkyl, aryl, etc.; NR1R2 = heterocyclyl; R5,R6 = H, halo, alkyl, aryl, etc.; R4R5,R5R6 = atoms to complete a ring] were prepd. Thus, 2- amino-3-cyano-4,5-dimethyl-1-(1-phenylethyl)pyrrole was N-benzoylated and the product cyclized to give, after deprotection and chlorination, I (R3 = Ph, R4 = H, R5 = R6 = Me)(II;

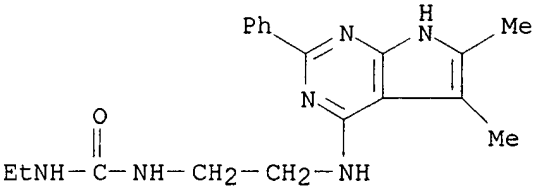
R = Cl) which was aminated by trans-4-hydroxycyclohexylamine to give II (R = trans-4-hydroxycyclohexylamino). Data for biol. activity of I were given.

IT **251946-33-5P 251946-34-6P**
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); **THU (Therapeutic use)**; BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of pyrrolo[2,3-d]pyrimidines as adenosine receptor antagonists)

RN 251946-33-5 CAPLUS
CN Urea, N-[2-[(5,6-dimethyl-2-phenyl-1H-pyrrolo[2,3-d]pyrimidin-4-yl)amino]ethyl]-N'-methyl- (9CI) (CA INDEX NAME)



RN 251946-34-6 CAPLUS
CN Urea, N-[2-[(5,6-dimethyl-2-phenyl-1H-pyrrolo[2,3-d]pyrimidin-4-yl)amino]ethyl]-N'-ethyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 20
REFERENCE(S):
(1) Chen Yuhpyng, L; WO 9413676 A 1994 CAPLUS
(2) Ciba Geigy AG; EP 0682027 A 1995 CAPLUS
(3) Hitchings, G; US 3037980 A 1962 CAPLUS
(4) Hoechst India Ltd; IN 157280 A 1986 CAPLUS
(5) Iwamura, H; J Med Chem 1983, V26, P838 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L33 ANSWER 7 OF 14 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1999:763780 CAPLUS
DOCUMENT NUMBER: 132:10496
TITLE: Method for preparing thin liquid samples for microscopic analysis
INVENTOR(S): Berndt, Klaus W.
PATENT ASSIGNEE(S): Becton, Dickinson and Company, USA
SOURCE: Eur. Pat. Appl., 14 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent

LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 961109	A2	19991201	EP 1999-108936	19990505
EP 961109	A3	20000719		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2000002839	A2	20000107	JP 1999-147168	19990526

PRIORITY APPLN. INFO.: US 1998-85851 A 19980527

AB A method for producing thin samples of liqs. for microscopic anal. involves depositing a drop of the liq. sample onto the upper surface of a microscope slide near the center of the slide, positioning a flexible cover glass onto spacers on the slide, applying a downward force to the upper surface of the cover glass so that the lower surface of the cover glass touches the sample, suspending the application of force, and obtaining a thin liq. sample. A liq. blood sample prepd. this way had a central area A contg. plasma but no red blood cells. This region A was surrounded by a wide ring B contg. huge nos. of isolated red blood cells in a well-defined monolayer arrangement. Ring B was surrounded by an even wider belt that contained red blood cells in Rouleaux formation where the length of the Rouleaux blocks increased with increasing distance from the center. This kind of blood sample prepn. does not result in morphol. changes as obsd. in the wedge slide method or during drying of blood films in the open air.

IT **154088-80-9**, LaJolla Blue
RL: ARG (Analytical reagent use); DEV (Device component use); **THU (Therapeutic use)**; ANST (Analytical study); BIOL (Biological study); USES (Uses)
(deposited on microscope slide; method for prepg. thin liq. samples for microscopic anal.)

RN 154088-80-9 CAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-methoxy-, ether with dihydrogen (OC-6-12)-bis(2-hydroxyethyl 11-hydroxy-11-methyl-6-oxo-2,5,7-triaza-11-siladodecanoato-O11)[29H,31H-phthalocyanine-2,3-carboxylato(4-)-N29,N30,N31,N32]silicate(2-) (2:1) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L33 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1998:789144 CAPLUS
DOCUMENT NUMBER: 130:38377
TITLE: Preparation of heteroarylpyrazoles as p38 kinase inhibitors
INVENTOR(S): Anantanarayan, Ashok; Clare, Michael; Collins, Paul W.; Crich, Joyce Zuowu; Devraj, Rajesh; Flynn, Daniel L.; Geng, Lifeng; Hanson, Gunnar J.; Koszyk, Francis J.; Liao, Shuyuan; Partis, Richard A.; Rao, Shashidhar N.; Selness, Shaun Raj; South, Michael S.; Stealey,

Michael A.; Weier, Richard M.; Xu, Xiangdong; et al.
PATENT ASSIGNEE(S): G.D. Searle and Co., USA; et al.
SOURCE: PCT Int. Appl., 828 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9852940	A1	19981126	WO 1998-US10436	19980522
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9875883	A1	19981211	AU 1998-75883	19980522
ZA 9804358	A	19990524	ZA 1998-4358	19980522
EP 1000055	A1	20000517	EP 1998-923642	19980522
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
BR 9809147	A	20000801	BR 1998-9147	19980522
NO 9905695	A	20000121	NO 1999-5695	19991119

PRIORITY APPLN. INFO.: US 1997-47570 P 19970522
WO 1998-US10436 W 19980522

OTHER SOURCE(S): MARPAT 130:38377

AB Title compds. [I; R1 = H, NH2, (cyclo)alk(en)yl, acyl, aryl, etc.; R2 = H, halo, alkyl, alkoxy, etc.; R3 = pyridyl, pyrimidinyl, quinolyl, etc.; R4 = H, alkyl, heterocyclyl, aryl, etc.] were prepd. Thus, R3CH2COMe (R3 = 4-pyridinyl) was condensed with 3,4-F(MeO)C6H3CHO and the product cyclocondensed with TsNHNH2 to give title compd. II. Data for biol. activity of I were given.

IT **216523-08-9P 216523-09-0P**
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); **THU (Therapeutic use)**; BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of heteroarylpyrazoles as p38 kinase inhibitors)

RN 216523-08-9 CAPLUS

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=> d his

(FILE 'HOME' ENTERED AT 10:38:39 ON 01 JUN 2001)

FILE 'REGISTRY' ENTERED AT 10:38:44 ON 01 JUN 2001
L1 STRUCTURE UPLOADED
L2 50 S L1
L3 36270 S L1 FULL
L4 STRUCTURE UPLOADED
L5 14060 S L4 FULL SUB=L3

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L6          5399 S L5 AND 3/N
L7           734 S ETHYL(L)DIMETHYL(L)AMINO(L)PROPYL(L)UREA
L8             0 S UREA, "N-ETHYL-N'-(3-DIMETHYLAMINOPROPYL)-"
L9             4 S ETHYL(L)DIMETHYLAMINOPROPYL(L)UREA
L10            3 S L9 AND 1/NC
L11            1 S L10 AND 1/O

     FILE 'CAPLUS' ENTERED AT 10:52:57 ON 01 JUN 2001
L12           15 S L11
L13            2 S L11/THU

     FILE 'USPATFULL' ENTERED AT 10:55:19 ON 01 JUN 2001
L14            2 S L11

     FILE 'MARPAT' ENTERED AT 10:56:49 ON 01 JUN 2001
L15            0 S L11
L16            0 S L9

     FILE 'BEILSTEIN' ENTERED AT 10:57:15 ON 01 JUN 2001
L17            1 S L11

     FILE 'REGISTRY' ENTERED AT 10:57:49 ON 01 JUN 2001
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L19        11247 S L18 FULL SUB=L3
L20           50 S L18
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L22            8 S L18 CSS FULL

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L24            0 S L22/THU

     FILE 'USPATFULL' ENTERED AT 11:03:35 ON 01 JUN 2001
L25            7 S L22

     FILE 'REGISTRY' ENTERED AT 11:05:41 ON 01 JUN 2001
L26        11247 S L18 FULL
L27              STRUCTURE UPLOADED
L28         3145 S L27 FULL SUB=L26
L29              STRUCTURE UPLOADED
L30         1523 S L29 FULL SUB=L28
L31          381 S L30 AND 1/O
L32          331 S L31 NOT S/ELS

     FILE 'CAPLUS' ENTERED AT 11:14:57 ON 01 JUN 2001
L33           14 S L32/THU

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COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
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FULL ESTIMATED COST                              49.16      892.66

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)    SINCE FILE      TOTAL
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CA SUBSCRIBER PRICE                              -7.06      -22.94
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STRUCTURE FILE UPDATES: 30 MAY 2001 HIGHEST RN 339046-06-9
DICTIONARY FILE UPDATES: 30 MAY 2001 HIGHEST RN 339046-06-9

TSCA INFORMATION NOW CURRENT THROUGH January 11, 2001

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Structure search limits have been increased. See HELP SLIMIT for details.

=> s l32 and 1/nr
2662225 1/NR
L34 49 L32 AND 1/NR

=> d scan

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IN Urea, N-[2-(dimethylamino)ethyl]-N'-(3-phenylpropyl)- (9CI)
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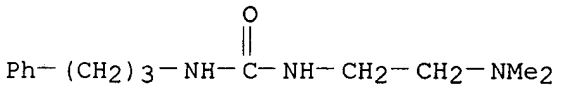
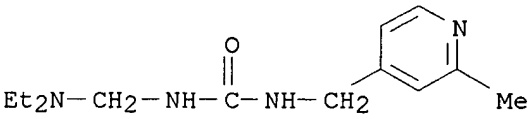


HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L34 49 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Urea, N-[(diethylamino)methyl]-N'-[(2-methyl-4-pyridinyl)methyl]- (9CI)
MF **C13 H22 N4 O**



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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	4.11	896.77

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION

CA SUBSCRIBER PRICE 0.00 -22.94

FILE 'CAPLUS' ENTERED AT 11:16:35 ON 01 JUN 2001

FILE COVERS 1947 - 1 Jun 2001 VOL 134 ISS 23
FILE LAST UPDATED: 30 May 2001 (20010530/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REG1stRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

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The CA Lexicon is now available in the Controlled Term (/CT) field. Enter HELP LEXICON for full details.

=> d his

(FILE 'HOME' ENTERED AT 10:38:39 ON 01 JUN 2001)

FILE 'REGISTRY' ENTERED AT 10:38:44 ON 01 JUN 2001
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L2 50 S L1
L3 36270 S L1 FULL
L4 STRUCTURE UPLOADED
L5 14060 S L4 FULL SUB=L3
L6 5399 S L5 AND 3/N
L7 734 S ETHYL(L)DIMETHYL(L)AMINO(L)PROPYL(L)UREA
L8 0 S UREA, "N-ETHYL-N'-(3-DIMETHYLAMINOPROPYL)-"
L9 4 S ETHYL(L)DIMETHYLAMINOPROPYL(L)UREA
L10 3 S L9 AND 1/NC
L11 1 S L10 AND 1/O

FILE 'CAPLUS' ENTERED AT 10:52:57 ON 01 JUN 2001
L12 15 S L11

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L13           2 S L11/THU

     FILE 'USPATFULL' ENTERED AT 10:55:19 ON 01 JUN 2001
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     FILE 'MARPAT' ENTERED AT 10:56:49 ON 01 JUN 2001
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L16           0 S L9

     FILE 'BEILSTEIN' ENTERED AT 10:57:15 ON 01 JUN 2001
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     FILE 'REGISTRY' ENTERED AT 10:57:49 ON 01 JUN 2001
L18             STRUCTURE UPLOADED
L19       11247 S L18 FULL SUB=L3
L20          50 S L18
L21           0 S L18 CSS
L22           8 S L18 CSS FULL

     FILE 'CAPLUS' ENTERED AT 11:01:43 ON 01 JUN 2001
L23          10 S L22
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     FILE 'USPATFULL' ENTERED AT 11:03:35 ON 01 JUN 2001
L25           7 S L22

     FILE 'REGISTRY' ENTERED AT 11:05:41 ON 01 JUN 2001
L26       11247 S L18 FULL
L27             STRUCTURE UPLOADED
L28        3145 S L27 FULL SUB=L26
L29             STRUCTURE UPLOADED
L30        1523 S L29 FULL SUB=L28
L31         381 S L30 AND 1/O
L32         331 S L31 NOT S/ELS

     FILE 'CAPLUS' ENTERED AT 11:14:57 ON 01 JUN 2001
L33          14 S L32/THU

     FILE 'REGISTRY' ENTERED AT 11:16:11 ON 01 JUN 2001
L34          49 S L32 AND 1/NR

     FILE 'CAPLUS' ENTERED AT 11:16:35 ON 01 JUN 2001

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L35          31 L34

=> s l34/thu
            31 L34
        375285 THU/RL
L36          0 L34/THU
                 (L34 (L) THU/RL)

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=> s l35 not py>=199
      19362000 PY>=199
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L36 0 L35 NOT PY>=199

=> s l35 not py>=1999
2091101 PY>=1999
L37 26 L35 NOT PY>=1999

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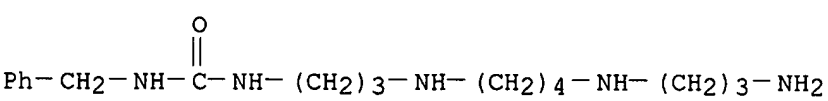
L37 ANSWER 1 OF 26 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1998:220203 CAPLUS
DOCUMENT NUMBER: 129:4517
TITLE: Solid phase organic synthesis of polyamine derivatives and initial biological evaluation of their antitumoral activity
AUTHOR(S): Tomasi, Sophie; Le Roch, Myriam; Renault, Jacques; Corbel, Jean-Charles; Uriac, Philippe; Carboni, Bertrand; Moncoq, Damien; Martin, Benedicte; Delcros, Jean-Guy
CORPORATE SOURCE: Pharmacochimie de Molecules de Synthese et de Produits Naturels, Fac. de Pharmacie, Rennes, 35043, Fr.
SOURCE: Bioorg. Med. Chem. Lett. (1998), 8(6), 635-640
CODEN: BMCLE8; ISSN: 0960-894X
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
AB A series of N1-monosubstituted putrescine and spermine derivs. was synthesized using a solid phase methodol. Their cytotoxicity, calmodulin antagonism and polyamine uptake inhibition, pharmacol. properties shared by some antitumoral agents was evaluated.
IT **207501-42-6P**
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(solid phase org. synthesis of polyamine derivs. and initial biol. evaluation of antitumoral activity)
RN 207501-42-6 CAPLUS
CN Urea, N-[3-[[4-[(3-aminopropyl)amino]butyl]amino]propyl]-N'-(phenylmethyl)-, trifluoroacetate (9CI) (CA INDEX NAME)

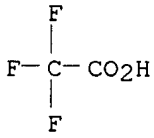
CM 1

CRN 207501-41-5
CMF C18 H33 N5 O



CM 2

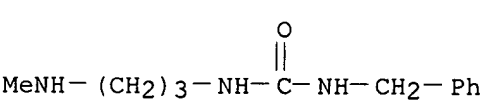
CRN 76-05-1
CMF C2 H F3 O2



L37 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1997:366218 CAPLUS
DOCUMENT NUMBER: 127:95010
TITLE: Selective synthesis of polyamine derivatives. Efficient derivatization of the secondary amino group of N-monosubstituted 1,3-diamines
AUTHOR(S): Jentgens, Christian; Hofmann, Richard; Guggisberg, Armin; Bienz, Stefan; Hesse, Manfred
CORPORATE SOURCE: Organisch-Chemisches Inst., Universitat Zurich, Zurich, CH-8057, Switz.
SOURCE: Helv. Chim. Acta (1997), 80(3), 966-978
CODEN: HCACAV; ISSN: 0018-019X
PUBLISHER: Verlag Helvetica Chimica Acta
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 127:95010

AB N-monosubstituted 1,3-diamines were selectively functionalized at the secondary N atom via 2-phenyl-substituted hexahydropyrimidine intermediates. Reaction of the diamines with PhCHO, followed by treatment with an electrophile and hydrolysis, provided the desired products with excellent selectivity and in high yields. N4,N9-bis[3-phenylprop-2-enoyl]spermine (I), which was further converted to N1,N12-bis[3-phenylprop-2-enoyl]spermine by a transamidation reaction, was prepd. by this way in 82% yield from spermine. Compd. I was alternatively synthesized in 83% yield, equally from spermine, by a sequence involving intermediary protection of the terminal amino groups.

IT **191990-75-7P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of polyamines by selective derivatization of secondary amino group of monosubstituted diamines)
RN 191990-75-7 CAPLUS
CN Urea, N-[3-(methylamino)propyl]-N'-(phenylmethyl)- (9CI) (CA INDEX NAME)



L37 ANSWER 3 OF 26 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1996:476785 CAPLUS

DOCUMENT NUMBER: 125:142463
TITLE: Carbodiimide derivatives for use in biotinylations
INVENTOR(S): Takenishi, Soichiro; Suzuki, Osamu; Yokomizo, Hirohiko; Ichihara, Tatsuo; Masuda, Gen; Shiohata, Namiko; Komiya, Kazuko
PATENT ASSIGNEE(S): Nisshinbo Industries, Inc., Japan
SOURCE: Eur. Pat. Appl., 55 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

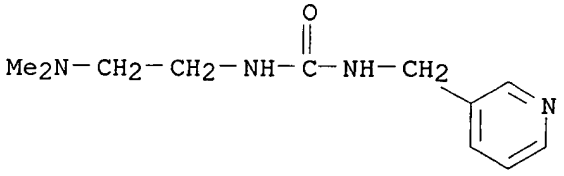
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 718300	A1	19960626	EP 1995-309433	19951222
R: DE, FR, GB				
JP 08176159	A2	19960709	JP 1994-335492	19941222
US 5700935	A	19971223	US 1995-577374	19951222
US 5789588	A	19980804	US 1997-931714	19970916

PRIORITY APPLN. INFO.: JP 1994-335492 19941222
US 1995-577374 19951222
OTHER SOURCE(S): MARPAT 125:142463

AB Carbodiimides W1-X-N=C=N-Y-W2-Z [W1 = aliph., (un)substituted aryl, heteroaryl, tertiary amino, quaternary ammonium; -W2-Z = quaternary ammonium; X and Y = bond, alkylene; Z = biotin-contg. group] are useful as labeling reagents for introducing a biotin group into a nucleic acid or a protein. Thus, cyclohexyl isocyanate was treated with Me2NC6H4NH2-4 to give the urea which was converted to the carbodiimide and treated with 6-iodohexylbiotinamide to give the quaternized deriv. I.

IT **179540-21-7P 179540-28-4P 179540-73-9P 179540-75-1P 179540-96-6P 179541-13-0P 179541-47-0P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. of carbodiimide derivs. of biotin for use in biotinylations)

RN 179540-21-7 CAPLUS
CN Urea, N-[2-(dimethylamino)ethyl]-N'-(3-pyridinylmethyl)- (9CI) (CA INDEX NAME)



RN 179540-28-4 CAPLUS
CN Urea, N-[(diethylamino)methyl]-N'-[(2-methyl-4-pyridinyl)methyl]- (9CI) (CA INDEX NAME)

L37 ANSWER 19 OF 26 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1980:169045 CAPLUS
DOCUMENT NUMBER: 92:169045
TITLE: Cosmetic composition
INVENTOR(S): Grollier, Jean Francois; Fourcadier, Chantal
PATENT ASSIGNEE(S): Oreal S. A., Fr.
SOURCE: Ger. Offen., 39 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2924230	A1	19791220	DE 1979-2924230	19790615
DE 2924230	C2	19920213		
FR 2428437	A2	19800111	FR 1978-17899	19780615
FR 2428437	B2	19820709		
JP 55001384	A2	19800112	JP 1979-75560	19790615
JP 63061286	B4	19881128		
GB 2024873	A	19800116	GB 1979-20878	19790615
GB 2024873	B2	19820915		
CA 1139226	A1	19830111	CA 1979-329838	19790615
US 4348202	A	19820907	US 1980-158271	19800610

PRIORITY APPLN. INFO.:

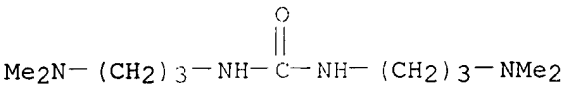
FR 1978-17899	19780615
BE 1979-195741	19790614
CH 1979-5592	19790614
IT 1979-68281	19790614
CA 1979-329838	19790615
DE 1979-2924230	19790615
GB 1979-20878	19790615
JP 1979-75560	19790615
FR 1979-30586	19791213

AB Hair prepns. contain .gtoreq.1 polymers [N+R1R2(CH2)mNHCONH(CH2)mN+R3R4Z]n 2X- [R1, R2, R3, R4 independently = (un)substituted satd. or unsatd. aliph. or cycloaliph., (un)substituted arylaliph., NR1R2 or NR3R4 = heterocyclyl; Z = (un)substituted alkylene or alkenylene, optionally contg. .gtoreq.1 hetero atoms, or .gtoreq.1 arylene; X- = anion of an org. or inorg. acid; m = 2, 3], useful as carriers for dyeing or bleaching or as permanent wave agents or lotions for treating hair before or after permanent waving. Thus, refluxing 0-2 mol. [Me2N(CH2)3NH]2CO with 0.2 mol Cl(CH2)5Cl in H2O 3 h gave [[N+Me2(CH2)3NHCONH(CH2)3N+Me2(CH2)6] 2Cl-]n (I) [70698-97-4]. A bleaching agent comprised oleic acid 20, HOCH2CH2NH2 8, oleyl alc. 12, 40% tris(hydroxyethyl)ammonium lauryl sulfate 3, Mergital OC 30 3, Me(CH2)10CON(CH2CH2OH)2 12, I 3, Bu glycol 5, EtOH 8.5, propylene glycol 6, Triton B 0.2 g. 22% Be NH4OH 18 mL, and H2O to 100 g. This formulation (60 g) was mixed with 120 g 6% H2O2 to give a gelled liq. which can be brushed on hair, where it remained 30-45 min, the was rinsed off. The wet hair was easily smoothed and had a silky feel. Similarly for the dry hair, which was also shiny and springy.

IT **70698-92-9P**
RL: PREP (Preparation)
(prepn. of, for hair prepns.)
RN 70698-92-9 CAPLUS
CN Urea, N,N'-bis[3-(dimethylamino)propyl]-, polymer with 1,4-bis(bromomethyl)benzene (9CI) (CA INDEX NAME)

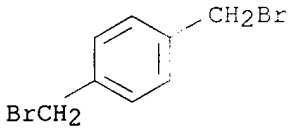
CM 1

CRN 52338-87-1
CMF C11 H26 N4 O



CM 2

CRN 623-24-5
CMF C8 H8 Br2



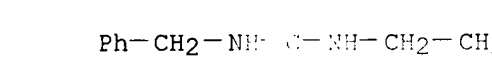
L37 ANSWER 20 OF 26 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1979:557421 CAPLUS
DOCUMENT NUMBER: 91:157421
TITLE: Phenoxyisopropanolamines
PATENT ASSIGNEE(S): Imperial Chemical Industries Ltd., Engl.
SOURCE: Belg., 17 pp. Addn. to Belg. 808,666.
CODEN: BEXXAL
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
BE 872320	A4	19790615	BE 1978-192369	19781215
ZA 7805809	A	19790926	ZA 1978-5809	19781016
AU 7840899	A1	19800424	AU 1978-40899	19781019
AU 528232	B2	19830512		
FR 24[illegible]1	A2	19790720	FR 1978-35639	19781219
FR 24[illegible]21	B2	19831014		

PRIORITY APPLN. INFO.: GB 1977-52969 19771220
AB Title compds. I (R, R1 (same or different) = H, halo, OH, NH2, NO2, cyano,

alkyl, cycloalkyl, alkenyl, alkynyl, alkoxy, alkylthio, cyanoalkoxy, alkenyloxy, alkynyloxy, alkanoyl, aryl, aryloxy, aralkoxy; R2 = H, OH, CH2OH, aralkoxy; Z = C2-12 alkylene; Z1 = alkylene (max. of 6 C atoms), C2-6 alkyleneoxy; R3 = H, indanyl, tetralinyl, oxotetralinyl, indenyl, 1,4-dihydronaphthyl, naphthyl, R4R5R6C6H2 [R4, R5 (same or different) same as R and R1; R6 = H, NH2, dialkylamine] were prepd. by several methods and are useful as .beta.-adrenergic blocking agents (no data). Thus, heating 1-(2-cyanophenoxy)-2,3-epoxypropane with H2NCH2CH2NHCONHCH2Ph in aq. EtOH 16 h at 90.degree. gave I (R = 2-cyano, R1 = R2 = H, Z = CH2CH2, Z1 = CH2, R3 = H).

IT **71676**-11-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, and ring cleavage of glycidyl ethers by)
RN 71676-11-4 CAPLUS
CN Urea, [2-aminoethyl)-N'-(phenylmethyl)- (9CI) (CA INDEX NAME)



L37 ANSWER OF 26 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1979:478762 CAPLUS
DOCUMENT NUMBER: 91:78762
TITLE: Hair coloring agents and their application
INVENTOR(S): Grollier, Jean Francois; Monnais, Christian; Peritz, Lyonel
PATENT ASSIGNEE(S): Oreal S. A., Fr.
SOURCE: Ger. Offen., 58 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2838878	A1	19790322	DE 1978-2838878	19780906
DE 2838878	C2	19841011		
FR 2403796	A1	19790406	FR 1977-27096	19770907
FR 2403796	B1	19800801		
FR 2400900	A2	19800111	FR 1978-17900	19780615
FR 2400900	B2	19810529		
BE 870306	A1	19790306	BE 1978-190290	19780906
GB 2004873	A	19790321	GB 1978-35775	19780906
GB 2004873	B2	19820303		
ES 473119	A1	19790401	ES 1978-473119	19780906
JP 54108687	A2	19790418	JP 1978-108687	19780906
JP 62030809	B4	19870219		
BR 7805846	A	19790502	BR 1978-5846	19780906
AU 7839599	A1	19800313	AU 1978-39599	19780906

AU 525		B2	19821209		
AT 780		A	19820715	AT 1978-6431	19780906
AT 369		B	19830225		
CH 634		A	19830131	CH 1978-9348	19780906
CA 111		A1	19820309	CA 1978-310830	19780907
US 435		A	19821102	US 1980-147330	19800506
PRIORITY AP	INFO.:			FR 1977-27096	19770907
				FR 1978-17900	19780615
				US 1978-940040	19780906

AB X- -N+ ?ZN+R2R4Z1- X- [I, X = halogen; R1, R2 = C1-3 alkyl; R3, R4 = C1-3 a . or hydroxyalkyl; Z, Z1 = C2-20 alkylene or alkylene contg. CH2CH- 'H2, CH2C6H4CH2, (CH2)nZ3(CH2)n where n = 2, 3, Z3 = O, NHCONH] are u: n hair coloring bases, which, when applied with an oxidizing soln., ere to the hair but cause little damage. Thus, 30 g a hair colori fluid contg. 3 wt.% I[X = Br, R1-R4 = Me, Z = (CH2)3, Z1 = (CH2)6 [28728-55-4] was mixed with 30 g 6% aq. H2O2 soln. to give a cream, ich was easily applied and attached to the hair to give shiny, fluff roon-color hair.

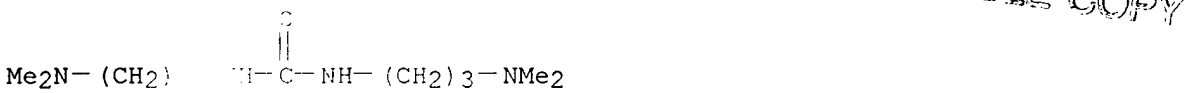
IT **70698**- P
RL: P Preparation)
(p of, for hair coloring compns.)

RN 70698- CAPLUS

CN Urea, -bis[3-(dimethylamino)propyl]-, polymer with 1,4-b romomethyl)benzene (9CI) (CA INDEX NAME)

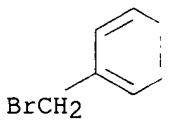
CM 1

CRN -7-1
CMF 4 N4 O



CM 2

CRN 4-5
CMF 1 2



L37 ANSWE 26 CAPLUS COPYRIGHT 2001 ACS
ACCESSION : 1979:421417 CAPLUS
DOCUMENT N : 91:21417
TITLE: Quaternary ammonium polymer salts
INVENTOR(S) Haase, Jaroslav; Horn, Ulrich; Berendt, Hans Ulrich

PATENT ASSI . [ ]: Ciba-Geigy A.-G., Swed.
SOURCE: Braz. Pedido PI, 59 pp.
CODEN: BPXXDX
DOCUMENT TY. Patent
LANGUAGE: Portuguese
FAMILY ACC. . COUNT: 2
PATENT INF(:I:

PATENT	KIND	DATE	APPLICATION NO.	DATE
BR 780	A	19790220	BR 1978-3709	19780609
CH 638	A3	19830930	CH 1977-7178	19770610
CH 638	B	19840330		
US 424	A	19810127	US 1978-911725	19780601
DD 13	C	19790829	DD 1978-205841	19780607
SU 89(	A3	19811215	SU 1978-2629400	19780607
NL 780	A	19781212	NL 1978-6242	19780608
GB 20(	A	19790104	GB 1978-26563	19780608
GB 20(	B2	19820217		
BE 86(	A1	19781211	BE 1978-188476	19780609
SE 78(	A	19781211	SE 1978-6722	19780609
DK 78(	A	19781211	DK 1978-2583	19780609
FR 23(	A1	19790302	FR 1978-17373	19780609
FR 23(	B1	19821210		
ES 47(	A1	19790901	ES 1978-471150	19780609
AU 7(	A1	19791213	AU 1978-36977	19780609
CA 10(	A1	19801125	CA 1978-305172	19780609
PL 11(	B1	19801129	PL 1978-207517	19780609
JP 54(	A2	19790116	JP 1978-70290	19780610

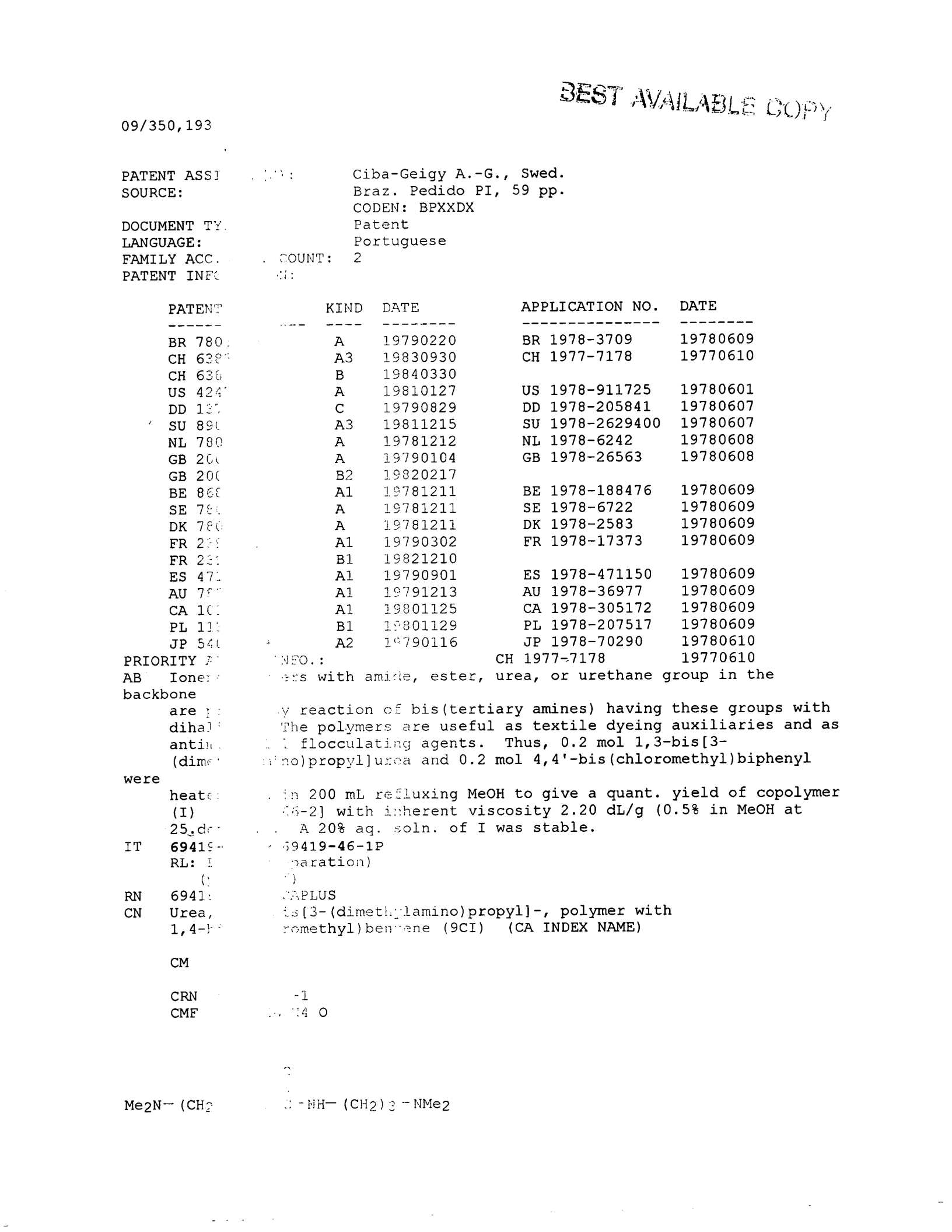
PRIORITY A . NFO.: CH 1977-7178 19770610

AB Ione . ers with amide, ester, urea, or urethane group in the backbone are . y reaction of bis(tertiary amines) having these groups with diha . The polymers are useful as textile dyeing auxiliaries and as antis . . flocculating agents. Thus, 0.2 mol 1,3-bis[3-(dim . no)propyl]urea and 0.2 mol 4,4'-bis(chloromethyl)biphenyl were heate . in 200 mL refluxing MeOH to give a quant. yield of copolymer (I) . 6-2] with inherent viscosity 2.20 dL/g (0.5% in MeOH at 25° . . A 20% aq. soln. of I was stable.

IT **6941** . **69419-46-1P**
RL: . paration)
( )
RN 6941 CAPLUS
CN Urea, . is[3-(dimeth lamino)propyl]-, polymer with 1,4- . romethyl)ben ene (9CI) (CA INDEX NAME)

CM

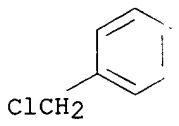
CRN -1
CMF . 14 O



$Me_2N-(CH_2$ $-NH-(CH_2)_3-NMe_2$

CM

CRN
CMF C 2



RN 69419-
CN Urea, [3-(dimethylamino)propyl]-, polymer with 1,2-b methyl)benzene (9CI) (CA INDEX NAME)

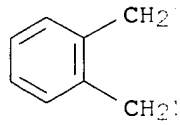
CM

CRN -1
CMF C H_4 O

$Me_2N-(CH_2$ $-NH-(CH_2)_3-NMe_2$

CM

CRN
CMF



L37 ANSWER 26 CAPLUS COPYRIGHT 2001 ACS
ACCESSION 1979:122972 CAPLUS
DOCUMENT 90:122972
TITLE: Polymeric quaternary ammonium salts
INVENTOR(S): Haase, Jaroslav; Horn, Ulrich; Berendt, Hans Ulrich
PATENT ASS Ciba-Geigy A.-G., Switz.
SOURCE: Ger. Offen., 62 pp.
CODEN: GWXXBX

DOCUMENT TY Patent
LANGUAGE: German
FAMILY ACC. :OUNT: 2
PATENT INF :

PATENT	KIND	DATE	APPLICATION NO.	DATE
DE 282	A1	19781221	DE 1978-2824743	19780606
CH 63	A3	19830930	CH 1977-7178	19770610
CH 63	B	19840330		
US 42	A	19810127	US 1978-911725	19780601
DD 13	C	19790829	DD 1978-205841	19780607
SU 89	A3	19811215	SU 1978-2629400	19780607
NL 78	A	19781212	NL 1978-6242	19780608
GB 2	A	19790104	GB 1978-26563	19780608
GB 20	B2	19820217		
BE 86	A1	19781211	BE 1978-188476	19780609
SE 78	A	19781211	SE 1978-6722	19780609
DK 78	A	19781211	DK 1978-2583	19780609
FR 23	A1	19790302	FR 1978-17373	19780609
FR 23	B1	19821210		
ES 47	A1	19790901	ES 1978-471150	19780609
AU 7	A1	19791213	AU 1978-36977	19780609
CA 1	A1	19801125	CA 1978-305172	19780609
PL 11	B1	19801129	PL 1978-207517	19780609
JP 5	A2	19790116	JP 1978-70290	19780610

PRIORITY :FO.: CH 1977-7178 19770610

AB Quate monium polymers are prepd. from org. dihalide, esp. arom. dihal d amino derivs. of ureas, optionally mixed with other dyes and a l as leveling agent and retarders for the dyeing of textiles.

Thus, l 4,4'-bis(chloromethyl)biphenyl and 0.2 mol 1,3-methylaminopropyl)urea were refluxed in 200 mL MeOH, giving a 100 of ammonium polymer I [69420-66-2], having inherent viscosity 2.20 .degree., 0.5% wt./vol. in MeOH). A polyacrylonitrile fabric (5 g ersed in 20 mL of dyeing liq. contg. 0.01 g I, adjusted to pH 4 OH, heated 10 min at 28.degree., mixed with a soln. contg. 0.01 mixt. of 3 ationic azo dyes, dyed 60 min at 98.degree., cool .degree., a washed, giving a level dyeing with excellent wetf

IT **6941** 69419-46-1P
RL: paration)
(for dyeb h additives and coagulating agents)
RN 6941 PLUS
CN Urea, [3-(dimeth lamino)propyl]-, polymer with 1,4- romethyl)be ene (9CI) (CA INDEX NAME)

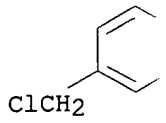
CM

CRN 1
CMF H O

$Me_2N-(CH_2$ $-NH-(CH_2)_3-NMe_2$

CM

CRN
CMF 2



RN 69419
CN Urea, [3-(dimethylamino)propyl]-, polymer with 1,2-methyl)benzene (9CI) (CA INDEX NAME)

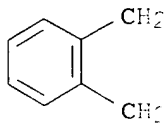
CM

CRN -1
CMF 14 O

$Me_2N-(CH_2$ $-NH-(CH_2)_3-NMe_2$

CM

CRN
CMF



L37 ANSW 26 CAPLUS COPYRIGHT 2001 ACS
ACCESSION 1976:164630 CAPLUS
DOCUMENT 84:164630
TITLE: Pyridyl-substituted aminoalkyl-thioureas and ureas
INVENTOR(S Durant, Graham J.; Emmett, John C.; Ganellin, Charon R.
PATENT AS Smith Kline and French Laboratories Ltd., Engl.
SOURCE: U.S., 6 pp.

COPEN: USXXAM
DOCUMENT T Patent
LANGUAGE: English
FAMILY ACC COUNT: 14
PATENT INF :

PATE	KIND	DATE	APPLICATION NO.	DATE
US 39	A	19760113	US 1974-450931	19740313
GB 13	A	19731121	GB 1971-6352	19710309
ZA 72	A	19721025	ZA 1972-774	19720207
FR 21	A5	19721020	FR 1972-7170	19720302
FR 21	B1	19751226		
CH 57	A	19760615	CH 1972-3381	19720308
CH 57	A	19760813	CH 1975-5534	19720308
PL 9	B	19770331	PL 1972-153934	19720308
CS 15	B	19760629	CS 1972-1579	19720309
US 4	A	770419	US 1975-626682	19751029
FI 7	A	761130	FI 1976-3443	19761130
FI 6	B	810930		
US 4	A	19781212	US 1978-869418	19780116
DK 7	A	19781222	DK 1978-5802	19781222
DK 7	A	19781222		
DK 1	C	820712		
FI 7	A	790404	FI 1979-1116	19790404
FI 6	B	820331		
FI 6	C	820712		
JP 5	A2	821022	JP 1981-81781	19810527
JP 6	B4	850913		
JP 5	A2	820618	JP 1981-168523	19811020
JP 5	B4	831220		
FI 8	A	811223	FI 1981-4156	19811223
FI 6	B	850628		
FI 6	C	851010		

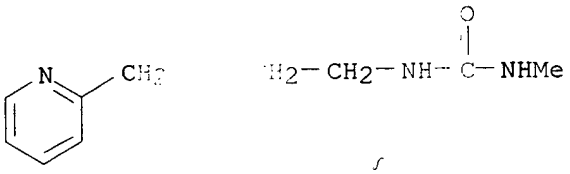
PRIORITY NO.:

GB 1971-6352	19710309
GB 1971-34334	19710722
IE 1972-136	19720203
US 1972-230451	19720229
US 1972-290584	19720920
DK 1972-909	19720228
FI 1972-580	19720303
US 1973-384992	19730802
JP 1973-100126	19730905
US 1974-450931	19740313
US 1975-560909	19750321
US 1976-726356	19760924
JP 1977-160988	19771222

AB R(CH)mNHC :X)N 2 I (R = 2-pyridyl, R1 = Me n = 0, m = 3, X = S; R = , 4-pyridy R1 = Me, n = 1, m = 2, X = S; R = 3-br idyl, R1 = , n = 1, m = 2, X = S; R = 2-pyridyl, R1 = Me, n = 1, = O) were epd. by treating R(CH2)nNH(CH2)mNH2 with R2NCX. Hyd I (R = 2- idyl, R1 = PhCO, n = 0, m = 3, X = S) gave I (R1 = H). -600 : g./c I inhibit histamine activity.

IT 590

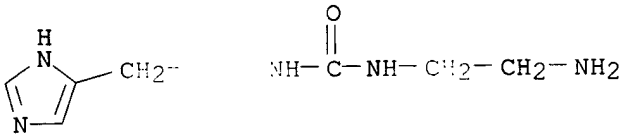
RL: S[illegible]nthetic preparation); PREP (Preparation)
(p[illegible]f)
RN 59065[illegible] CAPLUS
CN Urea, [illegible]yl-N'-[2-[(2-pyridinylmethyl)amino]ethyl]- (9CI) (CA INDEX NAME)



L37 ANSWE[illegible] 26 CAPLUS COPYRIGHT 2001 ACS
ACCESSION [illegible]: 1971:95957 CAPLUS
DOCUMENT [illegible]: 80:95957
TITLE: (Aminoalkyl) imidazoles
INVENTOR(S[illegible]: Durant, Graham J.; Emmett, John C.; Ganellin, Charon R.; Roe, Anthony M.
PATENT ASSI[illegible]S): Smith Kline and French Laboratories
SOURCE: [illegible], Brit., 37 pp.
CODEN: BRXXAA
DOCUMENT T[illegible]: Patent
LANGUAGE: English
FAMILY AC[illegible] COUNT: 1
PATENT INF[illegible]N:

PATENT[illegible]	KIND	DATE	APPLICATION NO.	DATE
GB 134[illegible]	A	19731219	GB 1969-56512	19691119

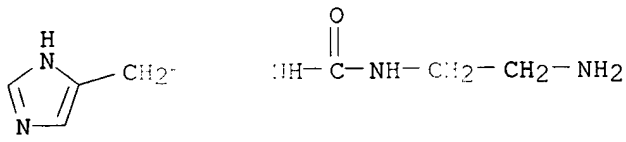
AB Salts [illegible]ghty-six imi[illegible]azoles (I; R = alkyl, aryl, aralkyl; R1 = H, alkyl, [illegible]henylalkyl, imidazolylalkyl; R2 = H, alkyl, substituted alkyl;
Q = [illegible]raight chain which, in some compds., was substituted by alkyl or a[illegible]n = 0-3), which are histamine receptor agonists and antage[illegible], were prepd. by processes which selectively introduced substi[illegible]s onto one or more N atoms. Thus, 22.85 g histamine and 40 g N,N'-c[illegible]yldiimidazol[illegible] were heated 1 hr at 100.degree. and 30 min at 110-30[illegible]e. to give 4.4 g 5-oxo-5,6,7,8-tetrahydroimidazo[1,5-c]pyrim[illegible]which, refluxed with MeI in DMF, gave 2-methyl-5-oxo-5,6,7,8-tet[illegible]idazo[1,5-c]pyrimidinium iodide (II). Refluxing 22.8 g II ove[illegible]. 5N HCl gav[illegible] 13.5 g 1-methyl-4-(2-amino-ethyl)imidazole dih[illegible]ide.
IT **51721-88-1**[illegible]
RL: S[illegible]thetic prep[illegible]ration); PREP (Preparation)
(pr[illegible]f)
RN 51721-[illegible] CAPLUS
CN Urea, [illegible]minoethyl)-[illegible]'-[2-(1H-imidazol-4-yl)ethyl]- (9CI) (CA INDEX NAME)



RN 5172 CAPLUS
CN Urea, minoethyl)-N'-[2-(1H-imidazol-4-yl)ethyl]-, (2Z)-2 nedioate (1:2) (9CI) (CA INDEX NAME)

CM 1

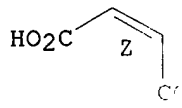
CRN 37-0
CMF N5 O



CM

CRN -7
CMF 4
CDES

Double bo etry as shown.

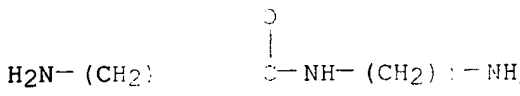


L37 ANSW F 26 CAPLUS COPYRIGHT 2001 ACS
ACCESSION 1972:400155 CAPLUS
DOCUMENT 77:155
TITLE: Natural and artificial bleomycins. Chemistry and antitumor activities
AUTHOR(S): Umezawa, Hamao
CORPORATE Inst. Microb. Chem., Tokyo, Japan
SOURCE: Pure Appl. Chem. (1971), 28(4), 665-80
CODEN: PACHAS
DOCUMENT Journal
LANGUAGE: English
AB Addn. amine to the fermentation medium during bleomycin production induce formation of a bleomycin contg. that amine and suppressed format of all other bleomycins. Thus, addn. of 360 .mu.g spermidine [12 l medium c tg. Streptomyces verticillus produced only bleo (I) [1111 -32-8]. Since only I was formed after the addn. of

sperm '1-44-3], spermine must be converted to spermidine before
inco: .on. Of the 42 bleomycins synthesized, those contg. diamines
were : effective against Ehrlich ascites carcinoma than those contg.
triam' In squamous cell carcinoma 60% of the bleomycin A2
[1111('] remained active 1 hr after administration because of the
high
concn. the antibiotic in the tumor; however, no activity was found in
sarco 'leomycins were more rapidly inactivated in liver, kidney and
splee in lung and skin by an enzyme not yet identified.
Enzymical
inact bleomycin B2 was devoid of antibacterial activity, except for
Mycol um 607 and Salmonella enteritidis.
IT **38693-** >
RL: SI nthetic preparation); PREP (Preparation)
(p: of)
RN 3869 CAPLUS
CN Urea, bis(4-aminobutyl)-, compd. with 2,4,6-trinitrophenol (1:2)
(9CI INDEX NAME)

CM

CRN -45-8
CMF 2 N4 O



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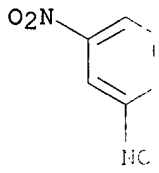
CRN -1
CMF C3 O7



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FIL 'RY' ENTERED AT 10:38:44 ON 01 JUN 2001
L1 STRUCTURE UPLOADED
L2 S L1
L3 S L1 FULL
L4 STRUCTURE UPLOADED

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L5              S L4 FULL S  =L3
L6              S L5 AND 3/
L7              S ETHYL(L)D METHYL(L)AMINO(L)PROPYL(L)UREA
L8              S UREA, "N-E HYL-N'-(3-DIMETHYLAMINOPROPYL)-"
L9              S ETHYL(L)D METHYLAMINOPROPYL(L)UREA
L10             S L9 AND 1/
L11             S L10 AND 1/

     FILE       ' ' ENTERED AT 10:52:57 ON 01 JUN 2001
L12             ' L11
L13             ' L11/THU

     FILE       'ULL' ENTERED AT 10:55:19 ON 01 JUN 2001
L14             ' L11

     FILE       .' ENTERED AT 10:56:49 ON 01 JUN 2001
L15             ' L11
L16             . L9

     FILE       'EIN' ENTERED AT 10:57:15 ON 01 JUN 2001
L17             ' L11

     FILE       ' RY' ENTERED AT 10:57:49 ON 01 JUN 2001
L18             TRUCTURE UPLOADED
L19             ' L18 FULL S B=L3
L20               L18
L21               L18 CSS
L22             ' L18 CSS FULL

     FILE       ' ' ENTERED AT 11:01:43 ON 01 JUN 2001
L23               L22
L24               L22/THU

     FILE       . ULL' ENTERED AT 11:03:35 ON 01 JUN 2001
L25               L22

     FILE       ' RY' ENTERED AT 11:05:41 ON 01 JUN 2001
L26               L18 FULL
L27             TRUCTURE UPLOADED
L28               L27 FULL S B=L26
L29             NSTRUCTURE UPLOADED
L30             ' L29 FULL S L=L28
L31             . L30 AND 1
L32               L31 NOT SOLLS

     FILE       ' ' ENTERED AT 11:14:57 ON 01 JUN 2001
L33               L32/THU

     FILE       ' RY' ENTERED AT 11:16:11 ON 01 JUN 2001
L34               L32 AND 1/

     FILE       ' ' ENTERED AT 11:16:35 ON 01 JUN 2001
L35               L34
L36               L35 NOT PY 1999
L37               L35 ' ' PY 1999
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 NEWS  1          Web Page URLs for STN Seminar Schedule - N. America
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 NEWS  3  I   06  Engineering Information Encompass files have new names
 NEWS  4  I   16  TOXLINE no longer being updated
 NEWS  5  A   23  Search Derwent WPINDEX by chemical structure
 NEWS  6  A   23  PRE-1967 REFERENCES NOW SEARCHABLE IN CAPLUS AND CA
 NEWS  7  M   07  DGENE Reload

 NEWS EXPR    May 23 CURRENT WINDOWS VERSION IS V6.0a,
              CURRENT MACINTOSH VERSION IS V5.0C (ENG) AND V5.0JB (JP),
              AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2001
 NEWS HOUR    STN Operating Hours Plus Help Desk Availability
 NEWS INTE    General Internet Information
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 NEWS WWW     CAS World Wide Web Site (general information)

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TSCA INFO:  N NOW C  EN  THROUGH January 11, 2001

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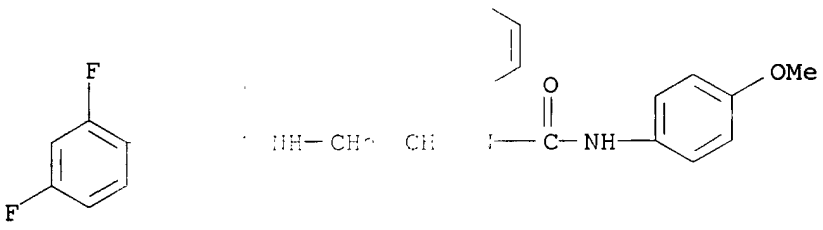
FULL FILE TIONS: NL **COMPLETE**
AT **COMPLETE**
PROJECTF IONS: 457 TO 64063
PROJECTEL S: 3720 TO 38826

L2 SEA SSS AM

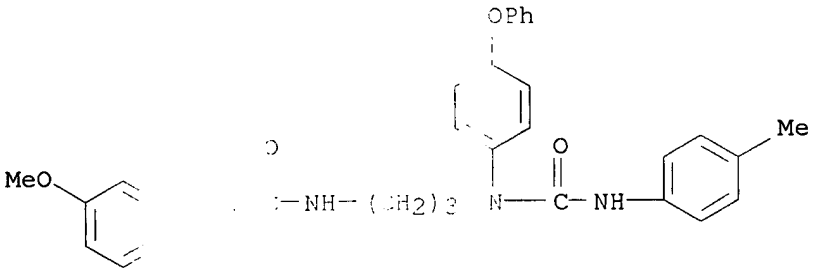
=> d sca

L2 50 ' REGIS Y PYRIGHT 2001 ACS
IN Ure [[[(2, if ophenyl)amino]carbonyl]amino]ethyl]-N-(4-
flu)-N'-(.me yphenyl)- (9CI)
MF C23 N4 O3



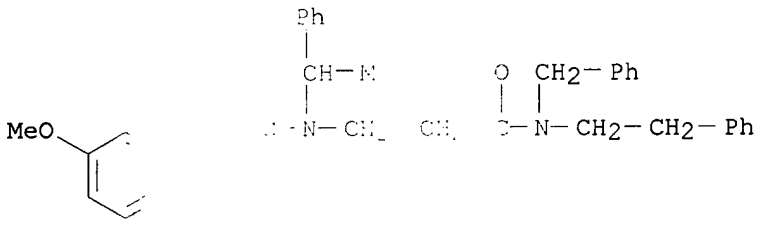
HOW MANY ERS L YC GH TO SCAN? (1):1

L2 50 ' REGIS Y PYRIGHT 2001 ACS
IN Ure [[[(3- enyl)amino]carbonyl]amino]propyl]-N'-(4-
met l)-N-(4 hen yphenyl)- (9CI)
MF C31 O4



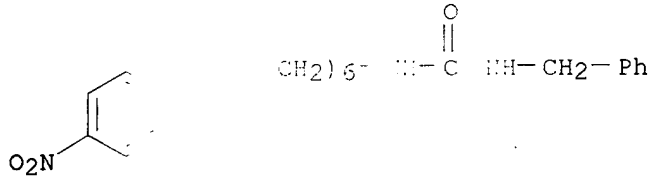
HOW MANY ANSWERS DO YOU WISH TO SCAN? (1):1

L2 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Propanamide, 3-[[[(3-methoxyphenyl)amino]carbonyl](1-phenylethyl)amino]-N-(2-phenylethyl)-N-(phenylmethyl)- (9CI)
MF C34 H35 N3 O3



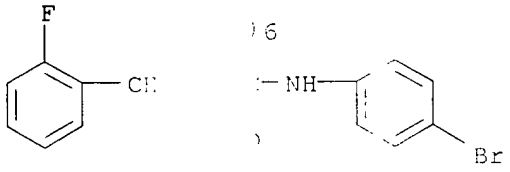
HOW MANY ANSWERS DO YOU WISH TO SCAN? (1):1

L2 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Urea, N-[6-(4-nitrophenyl)amino]hexyl]-N'-(phenylmethyl)- (9CI)
MF C20 H25 N5 O3

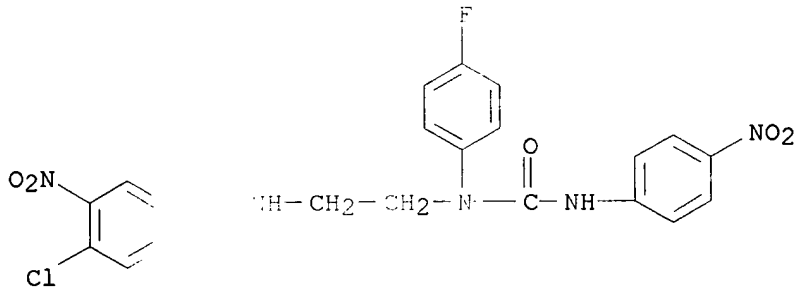


HOW MANY ANSWERS DO YOU WISH TO SCAN? (1):2

L2 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Urea, N-(4-bromophenyl)-N'-[(2-fluorophenyl)methyl]-N-[6-(2-pyridinylamino)hexyl]- (9CI)
MF C25 H29 BrFN4 O



L2 50 A REGIS RY COPYRIGHT 2001 ACS
IN Benz 4-chlor -N-[2-[(4-fluorophenyl)[[(4-
nitr)amino] arbonyl]amino]ethyl]-3-nitro- (9CI)
MF C22 F N5 C



HOW MANY SWERS DO YOU WISH TO SCAN? (1):0

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L2 S L1

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100.0% P 60 ITERATIONS 36270 ANSWERS
SEARCH T 0.08

09/350,19

L3 SEA SSS FUL L1

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L4 UPLOADED

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FULL SUBS INITIATED 10:40:55 FILE 'REGISTRY'
FULL SUBS SEARCH COMPLETED - 32305 TO ITERATE

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SEARCH TIME 00.04

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IN INDEX NOT YET ASSIGNED
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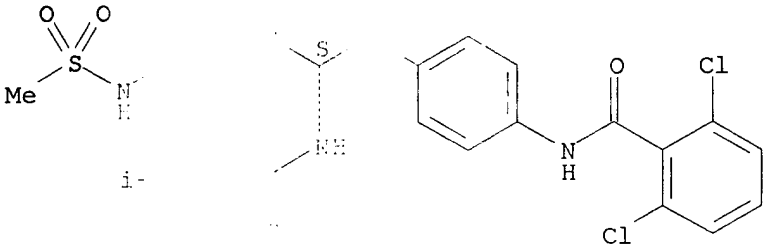
Absolute stereochemistry.

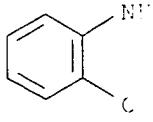


HOW MANY ANSWERS DO YOU WISH TO SCAN? (1):0

=> s l5 and
1?
L6 AND N

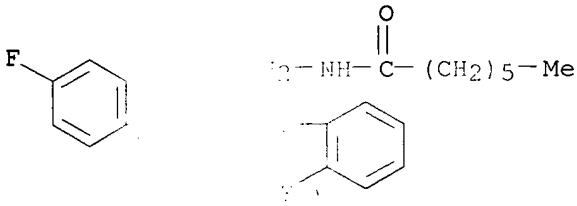
=> d scan

L6 539? ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Urea, [dimethylamino)propyl]-N'-(2-phenoxyphenyl)- (9CI)
MF C18 H22

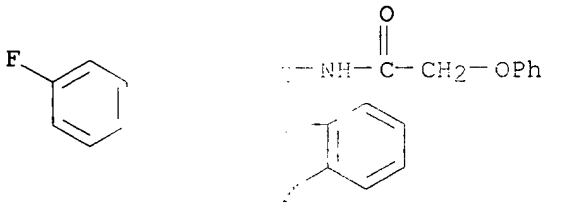


HOW MANY ... ERS DO YOU WISH TO SCAN? (1):2

L6 5399 ... REGISTRY COPYRIGHT 2001 ACS
IN Hept... nyl)[[(2-fluorophenyl)amino]carbonyl]amino]
ethy...
MF C22 ... O2



L6 5399 ... REGISTRY COPYRIGHT 2001 ACS
IN Acet... nyl)[[(2-fluorophenyl)amino]carbonyl]amino]et
hyl]... - (9CI)
MF C23 ... O3



HOW MANY ... ERS DO YOU WISH TO SCAN? (1):0

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4... ...L
...YLS
44... ...L
...ETHYL OR ETHYLS)
28... ...ETHYL
...ETHYLS
28... ...IMYL
...IMETHYL OR DIMETHYLS)
3... ...
...OS
32... ...O
...MINO OR AMINOS)
14... ...YL
...YLS
14... ...
...YL OR PROPYLS)

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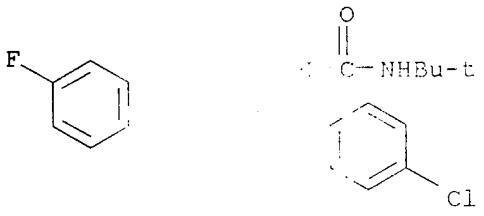
1

REA OR UREAS)

L7 L(L)DIMETHYL(L)AMINO(L)PROPYL(L)UREA

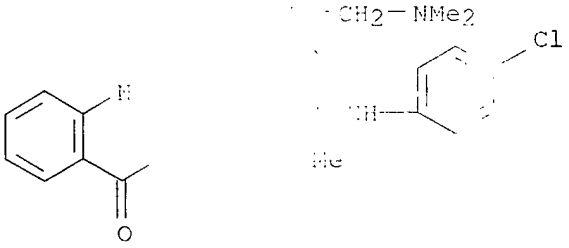
=> d scan

L7 734 REGISTRY COPYRIGHT 2001 ACS
IN Urea orophenyl)-N-[3-[[[(1,1-dimethylethyl)amino]carbonyl]a
minc -(4-fluorophenyl)- (9CI)
MF C21 O2

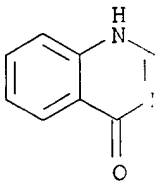


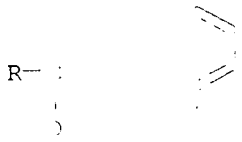
HOW MANY RS DO YOU WISH TO SCAN? (1):5

L7 734 REGISTRY COPYRIGHT 2001 ACS
IN Ure ophenyl)-N-[1-[3,4-dihydro-3-(3-methylphenyl)-4-oxo-
2-qu]propyl]-N-[2-(dimethylamino)ethyl]- (9CI)
MF C29 O2

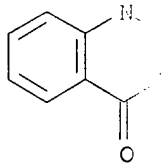


L7 734 REGISTRY COPYRIGHT 2001 ACS
IN Ure ydro-4-oxo-2-quinazolinyl)propyl]-N-[2-
(dim hyl]-N'-(2-fluorophenyl)- (9CI)
MF C22 2



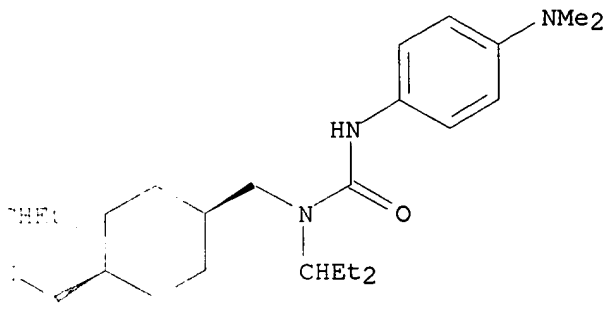


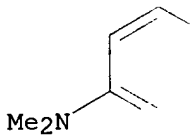
L7 734 AN REGISTRY COPYRIGHT 2001 ACS
IN **Urea, ...4-dihydro-4-oxo-3-propyl-2-quinazolinyl)ethyl]-N-[2-(dim... ...)ethyl]-N'-(3-fluorophenyl)- (9CI)**
MF C24 ...



L7 734 AN REGISTRY COPYRIGHT 2001 ACS
IN **Urea, ...,4-cyclohexanediylbis(methylene)]bis[N'-[4-(dim... ...)phenyl]-N-(1-ethylpropyl)-, dihydrochloride, cis- (9CI)**
MF C36 ... 2 Cl H

Relative ... ...istry.





● 2 HCl

L7 734 ... REGISTRY COPYRIGHT 2001 ACS
IN Urea, ...ethylamino)ethyl]-1-isopentyl-3,3-diisopropyl-
(7CI, ...
MF C16 H...

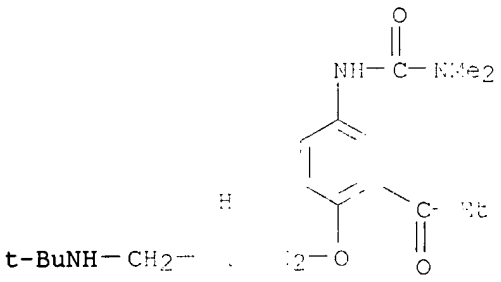
...(Pr-i)2

Me2N—CH2—C... ...2—CH2—CHMe2

HOW MANY MORE ...RS DO YOU WISH TO SCAN? (1):5

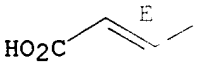
L7 734 ... REGISTRY COPYRIGHT 2001 ACS
IN Urea, ... -[... 1-dimethylethyl)amino]-2-hydroxypropoxy]-3-(1-
oxo... ...yl... ...,3-d...ethyl-, (2E)-2-butenedioate (1:1) (salt) (9CI)
MF C1... ... ...4 C...

CM 1

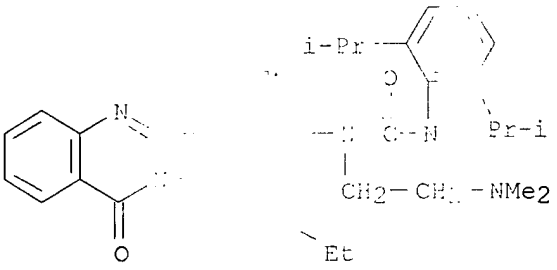


CM 2

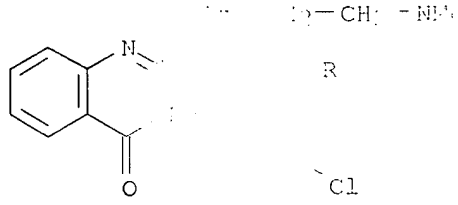
Double bond geometry as shown.



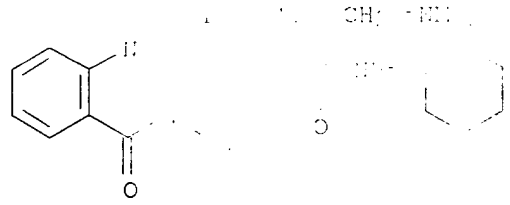
L7 734 ANSWER REGISTRY COPYRIGHT 2001 ACS
IN **Urea, N-[3-[3,5-bis(1-methylethyl)phenyl]-N-[2-(dimethylamino)ethyl]-N-[1-[3-(4-methylphenyl)-3,4-dihydro-4-oxo-2-quinazolinyl]propyl]- (9CI)**
MF C36 H47 N5 O2



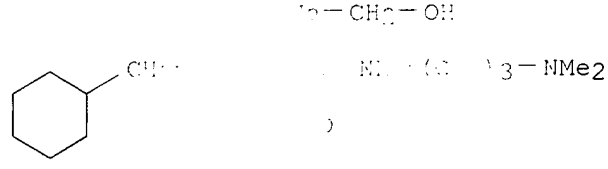
L7 734 ANSWER REGISTRY COPYRIGHT 2001 ACS
IN **Urea, N-[3-(4-chlorophenyl)-3,4-dihydro-4-oxo-2-quinazolinyl]propyl]-N-[2-(dimethylamino)ethyl]-N'-(3-methylphenyl)- (9CI)**
MF C29 H32 Cl N5 O2



L7 734 ANS REGISTRY COPYRIGHT 2001 ACS
IN **Urea, N-hexyl-N-[3,4-dihydro-4-oxo-3-phenyl-2-quinazolinyl]propyl]-N-[2-(dimethylamino)ethyl]- (9CI)**
MF C28



L7 734 ANS REGISTRY COPYRIGHT 2001 ACS
IN **Urea, N-(cyclohexylmethyl)-N'-[3-(dimethylamino)propyl]-N-(2-hydroxyethyl)- (9CI)**
MF C16



HOW MANY MORE ANS DO YOU WISH TO SCAN? (1):0

=> s urea, N'-(3-dimethylaminopropyl)-
MISMATCH
Quotation marks (" ") must be used in pairs,

one befor After th xpression you are setting
off or ma

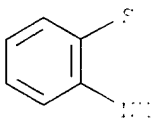
=> s urea, " -N'-(3-di ethylaminopropyl)-"
  1024
  1
  EA C , l S)
  3
  4 L"
  LS"
  44 4 L"
  THYL" C "ETHYLS")
  5
  9
  THYL SOPYL"
L8 , "N- R '-(3-DIMETHYLAMINOPROPYL)-"
  EA(W,"H)"ETHYL"(W)"N'"(W)"3"(W)"DIMETHYLAMINOPROPYL")

=> s ethyl ylamin p pyl(l)urea
  44 4
  LG
  4
  HYL YLS)
  HYL PYL
  1
  3
  1
  A OR U 3)
L9 L)P LAMINOPROPYL(L)UREA

=> d sca

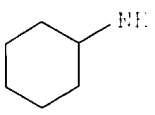
L9 4 A STN RIGHT 2001 ACS
IN Sul ycl -, compd. with N-[2-[[3-
  (dim ropy] io]phenyl]-N'-ethylurea (1:1) (9CI)
MF C14 C6 O3 S

  CM



  CM

09/350,1[illegible]

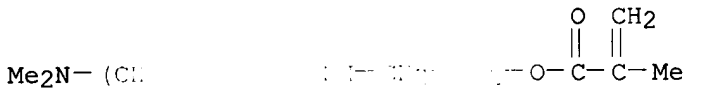


HOW MANY [illegible] DO [illegible] ISH TO SCAN? (1):0

=> s l9 [illegible]
27[illegible]
L10 [illegible] 1,[illegible]

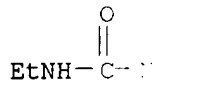
=> d sca[illegible]

L10 3 A[illegible] [illegible]STRY [illegible] YRIGHT 2001 ACS
IN 2-Pr[illegible] d, a-Me [illegible]-,
2-[[[[3-[illegible] [illegible]no)pr[illegible]g[illegible],amino]carbonyl]
ami[illegible] [illegible]er [illegible]l
MF C12 [illegible]

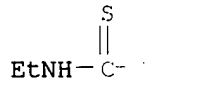


HOW MANY [illegible] D [illegible] ISH TO SCAN? (1):2

L10 3 A[illegible] [illegible]STRY [illegible] YRIGHT 2001 ACS
IN Ure[illegible] [illegible]ethyl-N[illegible] [illegible]propyl]-N'-ethyl- (9CI)
MF C8 [illegible]
CI COM



L10 3 A[illegible] [illegible]STRY [illegible] YRIGHT 2001 ACS
IN Thi[illegible] [illegible]din[illegible] h[illegible] [illegible]mino)propyl]-N'-ethyl- (9CI)
MF C8 [illegible]



ALL ANSW[illegible] [illegible]S'[illegible]D

09/350,1..

=> s Ure ..thyl ..)propyl]-N'-ethyl-/cn
MISMATCH.. ..PYL.. ..THYL-/CN'
Quotati.. ..o.. ..') must be used in pairs,
one bef.. ..te.. ..pression you are setting
off or ..

=> s l1.. 3

L11 ..(W)O)

=> s C8 ..

L12 ..(W)O)

=> del ..

=> d his

(F.. ..EN.. ..:38:39 ON 01 JUN 2001)

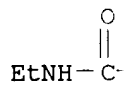
FI.. ..10:38:44 ON 01 JUN 2001
L1 ..ED
L2
L3
L4 ..ADED
L5 ..3
L6 ..
L7 ..HYL(L)AMINO(L)PROPYL(L)UREA
L8 ..-N'-(3-DIMETHYLAMINOPROPYL)-"
L9 ..LAMINOPROPYL(L)UREA
L10 ..

=> s l1..

L11

=> d sc..

L11 1 ..GHT 2001 ACS
IN Ur.. ..propyl]-N'-ethyl- (9CI)
MF C8 ..
CI CO..



ALL ANS

=> file

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(F :3:39 ON 01 JUN 2001)

FI 10:38:44 ON 01 JUN 2001
L1 D
L2

L3 FUL
L4 STU ED
L5 FU
L6 AN
L7 YL YL(L)AMINO(L)PROPYL(L)UREA
L8 A, L-N'-(3-DIMETHYLAMINOPROPYL)-"
L9 HYL YLAMINOPROPYL(L)UREA
L10 AN
L11) A

FIL ST:52:57 ON 01 JUN 2001

=> s l11
L12

=> d ibi -l

L12 ANS C YRIGHT 2001 ACS
ACCESSIO N 8479 CAPLUS
TITLE: tion of amides and ureas as activators of guanylate cyclase
INVENTOR Se , David; Glen, Robert; Reynolds, Karen; , Grant
PATENT A ty College London, UK
SOURCE: Appl., 101 pp.
PIXXD2
DOCUMENT
LANGUAGE
FAMILY AC NT:
PATENT I

PAT	K D	APPLICATION NO.	DATE
WO	0510	WO 2000-GB4249	20001106
	AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,		
	DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,		
	JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,		
	MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,		
	SG, SI, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,		
	BY, KG, KZ, MD, RU, TJ, TM		
	MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,		
	GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,		
	GA, GN, GW, ML, MR, NE, SN, TD, TG		

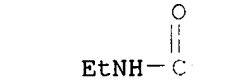
PRIORITY GB 1999-26286 A 19991105
US 2000-201382 P 20000502

AB The [I; R1, R2 = alkyl; R1R2 together form alkylene; - a direct bond, X, Y, W, XY, YW, XYW (wherein W = C, CO, etc.; Y = UV; V = a direct bond, alkylene; U = CS, alkyl; X = O, NR6; R6 = H, alkyl, alkenyl, alkynyl, etc.], useful in the activation of sol. prepd. E.g., synthesis of the urea II, st and 1-(3-aminopropyl)pyrrolidine, was given. Bio ., IC50 for inhibition of platelet ag

IT 32

RL: ... or effector, except adverse); SPN (Synthetic
... use); BIOL (Biological study); PREP
...
... as activators of sol. guanylate cyclase)

RN 328 ...
CN Ur... ...ropyl]-N'-ethyl- (9CI) (CA INDEX NAME)



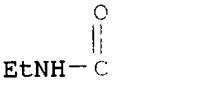
REFERENC... 24
REFERE... (8 ...nese, B; BOLLETTINO CHIMICO FARMACEUTICO
1986,
... 5(7), P228 CAPLUS
(9 ...enfabriken Bayer Ag; DE 890958 C CAPLUS
(1 ... n, R; WO 0027394 A 2000 CAPLUS
(1 ...chst Marion Roussel de Gmbh; EP 0908456 A
1999
... US
(1 ...hst Marion Roussel de Gmbh; DE 19756388 A
... CAPLUS
AI ...TIONS AVAILABLE IN THE RE FORMAT

L12 AN... CA...US ...IGHT 2001 ACS
ACCESSI... 20 ...26 CAPLUS
DOCUMENT... 13... ...3
TITLE: A ...exane-1,2-diyldinitrilotetraacetate
te... ...roxamate derivative for actinide
complex...
sy... ...s and complexation studies
AUTHOR(S... Sa... ...M. Amelia; Rodrigues, Estela; Gaspar,
Ma... ...a
CORPOR... : Ce... ...Quimica Estrutural, Complexo I, Instituto
Su... Tecnico, Lisbon, 1049-001, Port.
SOURCE: Da... ...2000), (23), 4398-4402
CO... ...CLTFG
PUBLISH... Ro... ...ciety of Chemistry
DOCUMEN... Jo...
LANGUAG... E...
AB A ...oxa...te... ...d has been synthesized and its chelating
p... ...led i... ...lns., with thorium(IV) and iron(III) as
a... ...act...nic... ...onium(IV) and (to some extent)
an... ...The a... ...cture of this ligand is based on that of the
cy... ...-di...ldi... ...otetraacetate complexon with hydroxamate
i... ...oxy...ate... .... It has proven to form quite stable and
w... ...lex s w... ...ese metal ions, up to pH 9. Besides the 1:1
(M... sp...cie... ...d under acidic conditions, the corresponding
(2... ...omp...xe... ...lso be admitted under physiol. conditions.
A... ...ng... ...perties and modeling calcns., the iron(III)
d... ...o... ...e magnetic interaction between the metallic
c...
IT 32...
P... ...t)

09/350,

...erial ... pn. of cyclohexane-1,2-diyldinitrilotetra(N-
...ydroxam... d))

RN 32 ... US
CN Ur... ...ethylam... ...opyl]-N'-ethyl- (9CI) (CA INDEX NAME)



EtNH—C ... Me2

REFERE... 37
REFERE... (4 ...y, M; J Alloys Comp 1998, V271-273, P206
US
(5 ...ano, C; J Am Chem Soc 1979, V101, P599 CAPLUS
(6 ...radhi, L; J Chem Soc, Perkin Trans 2 1997,
...7 CAPLUS
(8 ...ves, M; J Chem Soc, Dalton Trans 1995, P2565
US
(9 ...s, D; J Chem Soc 1959, P2003 CAPLUS
AI ...TIONS AVAILABLE IN THE RE FORMAT

L12 AN... ... CAPLUS ...RIGHT 2001 ACS
ACCESSI... ... 20 ...151 CAPLUS
DOCUME... 13 ...97
TITLE: Im... ...ulatory compositions and methods of use
th...
INVENTO... On... ..., Andrew B.; Tzianabos, Arthur O.; Miller,
Rc... ...; Calias, Pericles
PATENT ... Ge... ...orporations, USA
SOURCE: PC... ...Appl., 62 pp.
CC... ...XXD2
DOCUME... Pa...
LANGUA... En...
FAMILY ... ...NT: 1
PATENT ...

P...	KIND	...	APPLICATION NO.	DATE
W...	A2	...12	WO 2000-US9087	20000406
W...	A3	...15		

...AL, AM... ...AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR,
...DE, DK... ...DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU,
...IL, IS... ...KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU,
...MD, MG... ...MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE,
...SK, SL... ...TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW,
...BY, KG... ...ID, RU, TJ, TM
...KE, LS... ...D, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
...FI, FR... ...R, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
...CM, GA... ...W, ML, MR, NE, SN, TD, TG

PRIORIT... ...: US 1999-128177 P 19990406
OTHER S... MA... ...3:286497
AB Th... ...lates ...nomodulatory compns. and related methods.
Th... ...tory c... are useful for the prevention of sepsis and
th... ...d prev... of diseases assocd. with inflammation and/or
NO... ...s-/N-e... '-(3-dimethylaminopropyl)urea formulations
are

de

IT 32
RL: tc u OL (Biological study); USES (Uses)
cy c)

RN 32 S
CN Ur thylam ppyl]-N'-ethyl- (9CI) (CA INDEX NAME)

C
|
EtNH—C

L12 A LUS IGHT 2001 ACS
ACCESSI 20 150 CAPLUS
DOCUMEN 13)
TITLE: Pr ves and/or remedies for central nervous system
di containing compounds having TXA2 receptor an m and/or TXA2 synthase inhibitory effect
INVENTC Ya Tatsuro; Honma, Tsunetoshi; Katsuura, Goro
PATENT Sh & Co., Ltd., Japan
SOURCE: PC Appl., 171 pp.
CC XXD2
DOCUMF Pa
LANGU. Ja
FAMILY . P: 1
PATENT

PA	KIND		APPLICATION NO.	DATE
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	DK, DM	S, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,		
	JP, KE	R, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,		
	MK, MN	O, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK,		
	TM, TR	Z, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ,		
	KZ, MD	G, TM		
	KE, LS	D, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,		
	FI, FR	R, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,		
	CM, GA	W, ML, MR, NE, SN, TD, TG		

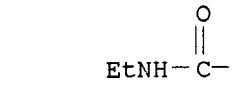
PRIOR : JP 1998-329862 A 19981119

AB A a m and/or a TXA2 synthase inhibitory effect,) cha cally acceptable salts of the same or by ame, how effects of inhibiting nerve cell de e by d .beta. protein and nerve cell death caused) a us preventives and/or remedies for central i is ane entives and/or remedies for nerve c ea es, cell denaturation inhibitors, amyloid .beta.) e v naturation inhibitors, nerve cell death i thesi ed nerve cell death inhibitors and, in) i tive r remedies for dementia of Alzheimer type.

IT
)
s for central nervous system diseases

contg.

compds. ; TA2 or antagonism and/or TXA2 synthase inhibitory effect)
RN 32897-26- [illegible]
CN Urea, N-[[illegible] pyl]-N'-ethyl- (9CI) (CA INDEX NAME)



EtNH— C— NH— (C[illegible]

REFERENCE COUN 1C
REFERENCE(S): (1 ra, A; Br J Pharmacol 1998, V124, P795 CAPLUS
(2 nson, R; Bioorg Med Chem Lett 1996, V6(14), [illegible] CAPLUS
(3 , S; Med Res Rev 1991, V11(5), P503 CAPLUS
(6 ogi & Co Ltd; GB 2184118 A CAPLUS
(7 ogi & Co Ltd; US 4960909 A CAPLUS
AI IONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 5 [illegible] LUS IGHT 2001 ACS
ACCESSION NUMB 2C 59 CAPLUS
DOCUMENT NUMBE 1[illegible] 2
TITLE: Pr on of aromatic amine derivatives and agents co g the same
INVENTOR(S): Oi u; Suzuki, Nobuhiro; Aso, Kazuyoshi; Banno, Yo
PATENT ASSIGNE Ta emical Industries, Ltd., Japan
SOURCE: Pa Appl., 309 pp.
CO. XXD2
DOCUMENT TYPE: Pa
LANGUAGE: Ja
FAMILY ACC. NU [illegible]
PATENT INFORMA

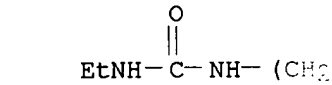
PATENT NO.	[illegible]		APPLICATION NO.	DATE
WO 200002	A1	27	WO 1999-JP5755	19991019
W: AE	AL AM	A, BB, BG, BR, BY, CA, CN, CR, CU, CZ, DM,		
E[illegible]	[illegible]	D, IL, IN, IS, JP, KG, KR, KZ, LC, LK, LR,		
LT	[illegible]	K, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK,		
S[illegible]	[illegible]	Z, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG,		
K[illegible]	[illegible]			
RW: G[illegible]	[illegible]	D, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,		
L[illegible]	[illegible]	R, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,		
C[illegible]	[illegible]	, ML, MR, NE, SN, TD, TG		
AU 996124		08	AU 1999-61246	19991019
JP 200019	[illegible]	11	JP 1999-297129	19991019
PRIORITY APPLN.			JP 1998-298940 A	19981020
			WO 1999-JP5755 W	19991019

OTHER SOURCE(S. [illegible] A 2:321662
AB Title com [illegible] s an optionally substituted arom. ring; B is an option [illegible] lic hydrocarbon oxy group; Z is an optionally

substituted ... on group; R1 is hydrogen, optionally substituted ... optionally substituted heterocyclic group, or acyl; R2 is ... ituted amino; D is a free valency or a divalent gr... (Ra), COO, N(Ra)CON(Rb), N(Ra)SO2, N(Ra), O, S, SO, SO2; ... ncy or a divalent group; L is a free valency, an optionall... valent hydrocarbon group which may be interrupted ... e like; X is oxygen, optionally oxidized sulfur, opti... ed nitrogen, or an optionally substituted divalent hyd... Y is two hydrogen atoms, oxygen, or sulfur; and the dot... ; that R2 and an atom on ring B may together form a ring ... epd. and tested as somatostatin receptor regulators. ... compd. II was prepd. in treatment or prevention ... besity.

IT **32897-26-0**
RL: RCT (Rea...)
(prepn. ... rivs. and agents contg. the same as somatost... ...ulators)

RN 32897-26-0
CN Urea, N-[3-... ...pyl]-N'-ethyl- (9CI) (CA INDEX NAME)

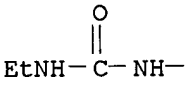


REFERENCE COUNT: ...
REFERENCE(S): ... ...an Kodak Company; DE 2855697 A1 CAPLUS
... ...an Kodak Company; JP 54145135 A CAPLUS
... ...an Kodak Company; JP 54145135 A CAPLUS
... ...man Kodak Company; GB 2010818 A 1979 CAPLUS
... Photo Film Co Ltd; JP 61233741 A 1986 CAPLUS
... ...IONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 6 ... ...IGHT 2001 ACS
ACCESSION NUMBER: ... ...81 CAPLUS
DOCUMENT NUMBER: 8
TITLE: ... ...of carbohydrate-containing dendrimers. 5. ... ...on of dendrimers using unprotected ... ...cates
AUTHOR(S): ... ..., Narayanaswamy; Stoddart, J. Fraser
CORPORATE SOURCE: ... ..., Univ. Birmingham, Birmingham, B15 2TT, UK
SOURCE: ... ...on Lett. (1997), 38(38), 6767-6770
... ...EAY; ISSN: 0040-4039
PUBLISHER: ...
DOCUMENT TYPE: ...
LANGUAGE: ...
AB Carbohydrate... ...s have been prepd. using completely unprotected ... ...loying a convergent growth approach. The facile syn... ...eration dendrimers, using the amide bond forming me... ...e possibility of obtaining densely-packed glycodend... ...eed to resort to protecting group manipulat... ...de residues.

IT **32897-26-0**
RL: RCT (R... ...)
(prepn. ... ...nd ... ...; unprotected carbohydrates)

RN 32897-26-0
CN Urea, N-[3-(pyl]-N'-ethyl- (9CI) (CA INDEX NAME)



EtNH—C—NH—(CH2)

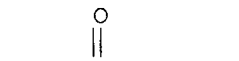
L12 ANSWER 7 OF IGHT 2001 ACS
ACCESSION NUMBER: 13 CAPLUS
DOCUMENT NUMBER: 2
TITLE: ion of biotin derivative and method for pic labeling of genes by biotin derivative
INVENTOR(S): Isamu; Mukai, Tsunehiro
PATENT ASSIGNEE(S): Isamu, Japan
SOURCE: i Tokkyo Koho, 5 pp.
XXAF
DOCUMENT TYPE:
LANGUAGE:
FAMILY ACC. NUM. T:
PATENT INFORMATIC

PATENT NO.		APPLICATION NO.	DATE
JP 07157497	20	JP 1993-330034	19931201

OTHER SOURCE(S): 3:332082

AB A carbodiimic on deriv. (I; R1 = C1-6 alkyl, cycloalkyl; R2 = C1-6 alkylen 3, alkyl; X- = Cl-, Br-, or I-) is prepd. A non-isotopic eli ne involves biotinylation of a DNA or RNA by reacting a L r biotin deriv. having a carbodiimide group I. The biotin d d. in relatively low cost, readily reacts with a DN o A, action product is colored and can be distinguishe on labeled compds., DNA, or RNA. Thus, 260 mg biotin hydra in 10 mL 0.5M NaHCO3, followed by adding a soln. of N-hyd e in dioxane at 0.degree., and after 15 min, the forme p: va and recrystd. from H2O to give 227.4 mg biotin N-h e: et . The latter compd. (0.76 g) and 0.31 g 1-ethyl-3- 3 et pyl)carbodiimide were added to 10 mL DMF and the formed p va . washed with Et2O, and dried in vacuo to give 100% I [R = R3 = R4 = Me, X = Br] (II). A single strand of DNA o II s dissolved in .apprx.5 .mu.L 0.1 M boric acid buf 3. with a soln. of the carbodiimide II (50 .mu.g/.mu.L) sh er (5 .mu.L) and the mixt. was allowed to react at e. To the reaction mixt. was added 10 .mu.L 5 M AcONH4 bu d OH was added to ppt. biotinylated DNA, which was remo d dissolved in 10 .mu.L H2O. According to the measurem (260 nm), 4.5 .mu.g DNA was recovered. The recover s 28 pg/.mu.L and each soln. was spotted on a nitro c fi cessively reacted with a strepto se conjugate, NBT, and BCIP. The each spot

was detec d . le : u.L by blue coloration. II was also used for
non-isoto c el probes in the southern hybridization method.
IT **32897-26-0**, th (ethylaminopropyl)urea
RL: RCT (Reac t): hetic preparation); PREP (Preparation)
(interedi f. f carbodiimide-contg. biotin deriv. for
non-isotop la NA and RNA)
RN 32897-26- C JS
CN Urea, N-[3-(d th pyl]-N'-ethyl- (9CI) (CA INDEX NAME)



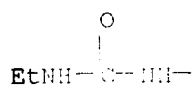
EtNH—C—NH—(CH)3 Me

L12 ANSWER 8 I 7 IGHT 2001 ACS
ACCESSION NUMBER: 00 CAPLUS
DOCUMENT NUMBER: 6
TITLE: fic reaction suppressor for immunoassays
INVENTOR(S): io; Sugawa, Satoshi; Yanagida, Atsushi
PATENT ASSIGNEE(S): i Chemical Corp., Japan
SOURCE: Appl., 20 pp.
XXDW
DOCUMENT TYPE:
LANGUAGE:
FAMILY ACC. NUM. CT:
PATENT INFORMATION:

PATENT NO.	K			APPLICATION NO.	DATE
EP 667529			16	EP 1995-101638	19950207
EP 667529			24		
R:					
US 55061			09	US 1994-194475	19940209
CN 1111			01	CN 1995-102794	19950208
JP 07253			03	JP 1995-22072	19950209

PRIORITY APPLN. INFO.: US 1994-194475 19940209
OTHER SOURCE: 3:193056
AB Disclos s reaction suppressor for immunoassays having the for u: CHY)pR3, where R1, R2 = C1-5 alkyl; X = -NHCONH- H, OH, or halogen; and R3 = NH2, NR1R2, cyclohex , o = 0-5; and n = 0 or 1. Also disclosed is a immunoa le-immobilized immunoreactant and nonspecific reaction thyl-3-(3-dimethyl-aminopropyl)urea, 1-cycl l- ethyl)urea metho-p-toluenesulfone, dimethyl e, latex-immobilized digoxin, anti-digoxin antibod aq DU contg. 1-ethyl3-(3-dimethylaminopropyl)- carbod e nd tested.
IT 32897-2 nylaminopropyl)urea
RL: MOA di use); USES (Uses)
(im rticle-immobilized immunoreactant and nons fi essor)
RN 32897-2 (

CN Urea, N [illegible] (d[illegible] [illegible] [illegible] pyl]-N'-ethyl- (9CI) (CA INDEX NAME)



L12 ANSWER [illegible] OF [illegible] US IGHT 2001 ACS
ACCESSION NU[illegible]: 19[illegible]: 29 CAPLUS
DOCUMENT NUM[illegible]: 12[illegible]:2[illegible]1
TITLE: Pr[illegible]par[illegible]on of carbodiimide-containing biotin de[illegible]ival[illegible]ves as reagents for detecting point mutation of [illegible]n [illegible]nd diagnosis of hereditary disease
INVENTOR(S): Ya[illegible] Isamu; Mukai, Tsunehiro
PATENT ASSIG[illegible]S): Ya[illegible] Isamu, Japan
SOURCE: Jp[illegible] Tokkyo Koho, 6 pp.
[illegible]C[illegible]XXAF
DOCUM[illegible]T TY[illegible]: Pa[illegible]t
LANGU[illegible]GE: Ja[illegible]e
FAMIL[illegible] ACC. [illegible] C[illegible]: 1
PATENT INFOR[illegible]ON:

PATENT [illegible]	[illegible]ID [illegible]	APPLICATION NO.	DATE
[illegible] 0627	[illegible]27	JP 1993-80196	19930315

OTHER [illegible]URC[illegible] [illegible]M[illegible] 2:290591
AB [illegible]e tit[illegible]io[illegible] [illegible]iv[illegible] R1 = C1-6 alkyl, cycloalkyl; R2 = C1-6 [illegible]alkylen[illegible] 3, [illegible]1-[illegible]al[illegible] ; X = halogen ion), suitable for chem. [illegible]predic[illegible]n [illegible], [illegible]ete[illegible]epd. The presence and position of point [illegible]mutatio[illegible] [illegible]as[illegible]y (1) mixing for hybridization each [illegible]complim[illegible]ry [illegible]s[illegible]f a normal gene and its corresponding gene [illegible]assumin[illegible]e[illegible] [illegible]e[illegible] t mutations, (2) reacting the above biotin [illegible]deriv.[illegible]3) [illegible]in[illegible] biotin deriv.-bonded DNA to a agarose column [illegible]elute[illegible]in[illegible] [illegible]a[illegible] (3) eluting the column with a soln. of [illegible]obtin[illegible]. (5[illegible] e sequence of the isolated DNA fragment. [illegible]agnos[illegible]f[illegible] [illegible]t[illegible] ease involves (1) mixing for hybridization [illegible]with co[illegible]m[illegible] in[illegible] and of a normal gene and its corresponding [illegible]mut[illegible]a[illegible]r[illegible] [illegible]es[illegible] point mutation, (2) reacting the above [illegible]biotin[illegible]v[illegible] [illegible]m[illegible] ([illegible] ting the biotin deriv.-bonded DNA by [illegible]hybrid[illegible]e[illegible] [illegible]re[illegible] using avidin or its analog, which confirms [illegible]the pr[illegible]s[illegible]p[illegible] tations. Both complimentary single strands [illegible]of[illegible]no[illegible]i[illegible] sponding gene assuming the presence of point [illegible]mutati[illegible]e[illegible] [illegible]d[illegible] ing genes with a restriction enzyme. The [illegible]avidin[illegible]v[illegible] [illegible]str[illegible] din-alkali phosphatase conjugate. These [illegible]reagen[illegible] [illegible]li[illegible] rivs. I react with guanine (G) or thymine (T) [illegible]of[illegible]d[illegible] [illegible]E[illegible] g G-T or T-G mismatching. Thus, 260 mg [illegible]biotin[illegible]n[illegible] [illegible]d[illegible] in 0.5 M NaHCO3 followed by adding a soln. [illegible]of[illegible]([illegible]r[illegible]c[illegible] e in dioxane at 0.degree., filtering off the [illegible]ppt[illegible]a[illegible]l[illegible] [illegible]nd recrystn. from H2O to give 227.4 mg [illegible]deri[illegible]l[illegible] [illegible]e[illegible] azine which was stirred with [illegible]me[illegible] nopropyl)carbodiimide in DMF to give 97%

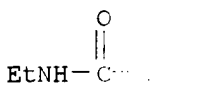
ti . . = cy yl, R2 = (CH2)3, R3 = R4 = Me, X- = Br-]
(II). la s t out from both plasmid pHAA47 contg. normal
A-type la ar mid pHAdA526 contg. A-type aldolase gene
from
a hem ate lacking erythrocyte aldolase activity by
restri lab ndIII, resp., sepd. by a agarose
el str ter jested by restriction enzyme RsaI into 3 DNA.
Both d we ed in a hybridization buffer at 100.degree.
for 0 to at 42.degree. overnight followed by
adjusti
th ac th II at 30.degree. for 30 min. DNA's were
se Et solved in H2O, and passed to a avidin
agarose
col lu e column with 1 mM aq. biotin to sep.
II the 411 bp fragment was recovered and
co a on with the 386th adenine replaced with
gu nt g aldolase activity.
IT 3 -, -3 ethylaminopropyl)urea
R SP hetic preparation); PREP (Preparation)
m p f carbodiimide-contg. biotin derivs. as
a ut e point mutation and diagnosis of hereditary
d
RN 3
CN Ur am pyl]-N'-ethyl- (9CI) (CA INDEX NAME)

L12 A LO RIGHT 2001 ACS
ACCESS 19 33 CAPLUS
DOCUME 11
TITLE: Pr on of water-soluble 1-ethyl-3-(3-
di minopropyl)carbodiimide
INVENTO: Yo Takahiro; Odagiri, Masaki; Imanari, Makoto
PATENT Ke Ryubun Shinyoto Kaihatsu Gijutsu Kankyu
Ku apan
SOURCE: Jp i Tokkyo Koho, 3 pp.
JO XXAF
DOCUMF Ya
LANGUA: Ja
FAMILY
PATENT

PA			APPLICATION NO.	DATE
J		11	JP 1990-189414	19900719
U		04	US 1991-732123	19910718

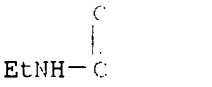
PRIOR JP 1990-189414 19900719
OTHER A 117:89833
AB by addn. reaction of EtNCS and
ne (II) in arom. hydrocarbon, then treatment
v. with dehydrosulfurization agents without

is[illegible] fro[illegible] reactio[illegible]ixt. A soln. of EtNCS in PhMe was teated dr[illegible] th[illegible] n. [illegible] n PhMe under ice cooling over 2 h, stirred at roo[illegible] fo[illegible] th[illegible] ted with Pb3O4 for 3 h under reflux to give 64[illegible].
IT 328[illegible]-
RL: eact[illegible] SP[illegible] hetic preparation); PREP (Preparation)
[illegible] an[illegible] ro.ul[illegible] zation of)
RN 32[illegible] C[illegible]
CN U[illegible] -(d[illegible] am no[illegible] pyl]-N'-ethyl- (9CI) (CA INDEX NAME)



EtNH—C[illegible] 2)3[illegible]

L12 AN[illegible] F[illegible] LU[illegible] RIGHT 2001 ACS
ACCESSIO[illegible] [illegible]: 19[illegible]: 94 CAPLUS
DOCUMEN[illegible] [illegible]: 10[illegible] 4
TITLE: Is[illegible] and purification of proteolytic enzymes on or[illegible] ilica supports with immobilized gramicidin S
AUTHOR([illegible] Ig[illegible]ko, A. P.; Bogomaz, V. I.; Tugai, V. A.; Ch[illegible]k[illegible] A.
CORPORA[illegible] [illegible]: A. V.[illegible]ladin Inst. Biochem., Kiev, USSR
SOURCE: [illegible]k[illegible] him. Zh. (1987), 59(6), 28-33
CO[illegible]N: [illegible]HD4; ISSN: 0201-8470
DOCUMEN[illegible] Jo[illegible]
LANGUAG[illegible] Ru[illegible]
AB Bi[illegible] c sc[illegible]b [illegible] f [illegible]nity chromatog. of proteolytic enzymes were s[illegible] d by a.[illegible]chi[illegible] cyclopeptide antibiotic gramicidin S to org[illegible] ica[illegible]u[illegible]rts. [illegible]icidin S was attached to the organo-silica su[illegible] sin[illegible]g[illegible]ri[illegible]a[illegible] yde, p-benzoquinone, sol. and insol. c[illegible] [illegible]les[illegible] [illegible]sor[illegible] prepd. by these methods were successfully ap[illegible] [illegible]t [illegible] [illegible]in. o[illegible] crude pepsin from horse gastric juice and pr[illegible]t[illegible] c[illegible]pl[illegible]pr[illegible]u[illegible] by Acremonium chrysogenum.
IT 32[illegible]
RL: eac[illegible]n[illegible]
inkl[illegible]g[illegible], o[illegible] [illegible]cidin S to organo-silica supports, for isc[illegible]u[illegible]n.)
RN 32[illegible] C[illegible]L[illegible]
CN U[illegible] -(d[illegible]e[illegible]m[illegible]o[illegible] pyl]-N'-ethyl- (9CI) (CA INDEX NAME)



EtNH—C[illegible] 2)3[illegible]

L12 A[illegible] F[illegible] [illegible]U[illegible] IGHT 2001 ACS
ACCESS[illegible] [illegible]: [illegible].9[illegible]: CAPLUS
DOCUME[illegible] [illegible] 10[illegible] 3
TITLE: An[illegible] y[illegible]l, toxicological and immunological co[illegible] [illegible]ces of the use of N-ethyl-N'-(3-

di- minopropyl)carbodiimide as coupling reagent
fo reparation of meningococcal group C
pc ride-tetanus toxoid conjugate as vaccine
for
hu n
AUTHOR(Be E. C.; Speijers, G. J. A.; Lutz, B. I. G.;
Fr l, D.; Kanhai, V.; Haagmans, B.; Derks, H.
J.
CORPORA Ri . Volksgezond. Milieuhyg., Bilthoven, 3720,
Ne
SOURCE: Ne . Stand. (1986), 63(Use Stand. Chem. Defined
An , 117-28
CO SA3; ISSN: 0301-5149
DOCUMEN Jo
LANGUA Th
AB Fo epn. of al group C polysaccharide-tetanus toxoid
co the rea t
N-ethyl- thy am bodiimid
e The ap f this reagent results in a no. of stable
lin it. "p ges between the polysaccharide and tetanus
to ra ti ges in the polysaccharide component and
bi th N- iv. of the reagent) and less stable ones
Tri l s a consequence of the reaction, the reagent
i d urea deriv. The toxic properties of the
re th reagent were studied. These properties do
n. al e the coupling reagent for the prepn. of
va ma idn. anal. methods were developed for the
qu. on ing reagent, the reaction products and for
th d reagent and of the residual reactivity of
co oups. Although no test was performed for
t n the polysaccharide component of the
c ed that such linkages may be present. The
r al reactivity indicated a spontaneous
r r the prepn. of the conjugate. In addn.
the
e ng reagent-to-polysaccharide and tetanus
t genic activities of the conjugate was
s atio resulted in a decrease of the
antig
e component but in an increase of its
i induction of IgG antibodies to the
p ic activity of the polysaccharide component
c e antigenic activity measured in
l anosorbent assay using antibodies to both
c

IT 3
thetic preparation); PREP (Preparation)
RN
CN yl]-N'-ethyl- (9CI) (CA INDEX NAME)

EtNH— M

L12 ... 'RIGHT 2001 ACS
ACCES... '1 CAPLUS
DOCUM...
TITLE:... of phosphoramidates of mono- and ...eotides in aqueous media
AUTHO... M. B.; Ivanovskaya, M. G.; Shabarova, Z. A.
CORPO... ., M. V. Lomonosov Moscow State Univ., ...SSR
SOURC... ...him. (1983), 9(8), 1063-7
... KHD7
DOCUM...
LANGU...
AB ...tes o... oligonucleotides were prepd. in 85-100% ...medi... ...sation of nucleotide component with any ...onda... ... the presence of EtC:N:C(CH2)3NMe2 (I) at a ...ss ... ...lue of the reacting amine, 0.5-4 h for amine ... ...4-... ...ines with pKa > 8. Thus, condensation of 20 ...3 mM ... pH 3.5 for 5 min in the presence of 0.5 mol ...f the ... ...ing phosphoramidate.
IT
...ant)
...on o... ... oligonucleotides with primary and secondary ...ese...
RN ...LUS
CN ...met... ...pyl]-N'-ethyl- (9CI) (CA INDEX NAME)

EtNH... ...NMe...

L12 ... RIGHT 2001 ACS
ACCES... 7 CAPLUS
DOCUM...
TITLE ... ectrophotometric observation of an ...urea intermediate: concerted general acid ... in the reaction of acetate ion with a ...uble carbodiimide
AUTHO... Ibrahim T.; Williams, Andrew
CORPO... ., Univ. Kent, Canterbury, CT2 7NZ, UK
SOURC... ...oc., Perkin Trans. 2 (1982), (11), 1459-66
...PKBH; ISSN: 0300-9580
DOCUM...
LANGU...
AB ...for t... ...n and decompn. of intermediate O-acy... ...ide ... ...lic acids were measured in aq. media. The ...n f... ... N-eth... ...thy... ...opyl]carbo ...n at ... ...p of pK 6.8, and decomps. in its acid form ...n by ... ...ith AcO- or H2O. Reaction of the
CA...

s g catalyzed, and the D2O solvent isotope
eff

e-c g transfer except for the oxonium ion acting
ng proton transfer concerted with
s consistent with the weak basicity of the
r term involving HOAc, AcO- and carbodiimide
al reaction flux at pH 6.80 and 1 M total
H .apprx.40% of the reaction flux proceeds
specific acid catalysis. Intramol.
in the reaction of HO2CCEt2CO2- with I, and
ed with intermol. catalysis is 15 M. Attack
th N-(chloroethyl)morpholinium ion as the
type .beta.N of 0.46.

IT

yl tosylate)

RN

CN pyl]-N'-ethyl- (9CI) (CA INDEX NAME)

EtNH-

L1 RIGHT 2001 ACS
AC 98 CAPLUS
DOCU 9
TITLE ochemical-glass conjugates
INVEN Masakazu; Kikutake, Junichiro; Yoshida,
ondo, Shigeharu
PATEN mical ndustries, Ltd., Japan
SOUR de, 30 pp.
FXXBL
DO
LA
FAMI 1
PATE

	APPLICATION NO.	DATE
04	FR 1979-2447	19790131
08		

AB prep of a conjugate between a substance
en or antibody) and frosted glass by using a
necessary, a crosslinking agent. The
a silane coupling agent which has an alkoxy
ch can react with a silanol group, as well
as
, epoxy, aldehyde, etc.) which can react with
ups. The product is then reacted with the
esenc of a crosslinking agent, when
agent s an aliph. dialdehyde, a
de, or a maleimidocarboxyl-N-
can c se crosslinking between the amino,

09/ 3

the silane and corresponding groups of the
igen can be a hormone, protein, or an
nogenic bacterium or virus or protozoan.
e incubated with a soln. of 0.5%
silan- in Me2CO, followed by incubation at
n. contg. IgG and N-ethyl-N'-
de. Unconjugated proteins were washed out,
ed per g of glass. Glass beads can also be
ulin and .alpha.-fetoproteins by sandwich

IT

glass for immunoassay)

RN /-
CN pyl]-N'-ethyl- (9CI) (CA INDEX NAME)

EtNH-

=> d

8:39 ON 01 JUN 2001)

0:38:44 ON 01 JUN 2001
L1 D
L2
L3
L4 D
L5
L6
L7 (L)AMINO(L)PROPYL(L)UREA
L8 N'-(3-DIMETHYLAMINOPROPYL)-"
L9 LAMINOPROPYL(L)UREA
L10
L11

52:57 ON 01 JUN 2001
L12

=> s

L13

=> d

L13 ...GHT 2001 ACS
ACCES ...79 ...PLUS
TITL ...ion of ...mides and ureas as activators of
...guanyl ...e cyclase

INVI David; Glen, Robert; Reynolds, Karen;
, Grant
PATE ity College London, UK
SOUI . Appl., 101 pp.
PIXXD2
DOCI
LANG
FAM
PAT

		APPLICATION NO.	DATE
A	0510	WO 2000-GB4249	20001106
	AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,		
	DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,		
	JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,		
	MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,		
	SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,		
	BY, KG, KZ, MD, RU, TJ, TM		
	NZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,		
	CB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,		
	GA, GN, GW, ML, MR, NE, SN, TD, TG		
PRI		GB 1999-26286	A 19991105
		US 2000-201382	P 20000502

AB [I; R1, R2 = alkyl; R1R2 together form
a direct bond, X, Y, W, XY, YW, XYW (wherein
W
Y = UV; V = a direct bond, alkylene; U = CS,
alkyl; X = O, NR6; R6 = H, alkyl, alkenyl,
alkynyl, etc.], useful in the activation of
e prepd. E.g., synthesis of the urea II,
e and 1-(3-aminopropyl)pyrrolidine, was given.
.g., IC50 for inhibition of platelet

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y or effector, except adverse); SPN (Synthetic
tic use); BIOL (Biological study);
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s as activators of sol. guanylate cyclase)

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CN ropyl]-N'-ethyl- (9CI) (CA INDEX NAME)

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... el
INV... Ja ..., Andrew B.; Tzianabos, Arthur O.; Miller, ...; Callis, Pericles
PAT... G... ...orporations, USA
SOU... PC ... Appl. 62 pp.
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AB ... ...nomodulatory compns. and related methods. ... are useful for the prevention of sepsis and ... of diseases assocd. with inflammation and/or ...-(3-dimethylaminopropyl)urea formulations are

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, Atsushi, Carmel, IN, United States
PAT i Kasei Corporation, Tokyo, Japan (non-U.S.
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TI r p ction of water-soluble carbodiimide

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IN		Taka. .o, Matsudo, Japan
		Masak , Ushiku, Japan
		Mako , Ami, Japan
PA	:	Associ tion for Utilization of Light Oil,
		pan (n-U.S. corporation)

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hyd de f a thiourea derivative formed in the on s ding hydrogen sulfide removing agent tion urea ivative (second reaction step), and

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2 Ib Jm T., J.Amer.Chem.Soc., 103 <1981>
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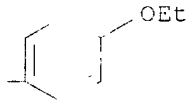

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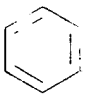

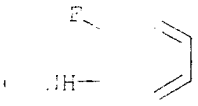

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		APPLICATION NO.	DATE
	...17	US 1986-851629	19860414
...9	...15	US 1981-320773	19811112
19...	...31	ZA 1982-7749	19821022
19	...16	EP 1982-903569	19821028
19	...10		
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	...04	CA 1982-415282	19821110
	...01	ES 1982-517296	19821111
	...31	IL 1982-67243	19821112
	...1	ES 1983-523804	19830701
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	...01	ES 1984-530788	19840320
	...7	US 1986-838082	19860310
	...9	US 1989-318147	19890301
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		US ...986-838082	19860310

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A... ...[I; Ar = (substituted) furyl or ...ene; B = COR2, CONR2R3, SO2R2, SO2NR2R3, ..., alkoxyalkyl, alkenyl, Ph, etc.; R2R3N = ...B = SO2..., CO2R2] are prepd. To a soln. of ... added 2- ...uroyl chloride, giving 88.0% of ...ted with ...1,1-dimethyl-2-...ylamine ... 70.degree. to give furoate ester ... 23.0%). ...III at 2.4 .mu.g/kg/min gave 40% ...nse to ...pproterenol in anesthetized dogs, ...atria in vitro) of 7.6.

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METH-

L23 ... CA ... COPYRIGHT 2001 ACS
ACCES ... 0 CAPLUS
DOCUM ... 2
TITLE ... n of carbodiimides by a phase-transfer
... ly ... method
AUTHO ... za ... uzsa M.; Petnehazy, Imre; Toke, Laszlo;
... a... ela
CORPO ... v. ... Technol. Tansz., Budapesti Muszaki
Egyet.
... 1521, Hung.
SOURC ... Poly. (1988), 94(6-7), 246-9
... CA; ISSN: 0025-0155
DOCUM ... n
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AB ... the prepn. of carbodiimides by dehydration
... c ... om. ... cin chloride under solid-liq.
phase-
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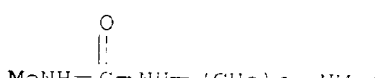
L23 ... ... ACS
ACCES ... ...PLUS
DOCUME ... d
TITLE: ... ine nitrosoalkylurea derivatives and their
... ...activity
AUTHOR ... ae... A. ...; ...adina, L. B.; Anoshina, G. M.;
... tol... ina, N. ...; Sof'ina, Z. P.
CORPO ... ..., ...Novsk, USSR
SOURC ... ...87), 21(8), 940-5
... ... : 0023-1134

DOCUMENT TYPE: Journal
LANGUAGE: Russian

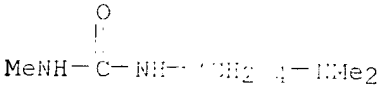
AB N,N-Dimethylpropanediamine, N,N-dimethylbutanediamine, and N,N,N'-trimethylethylenediamine were carbamoylated with suitable alkyl isocyanates, the urea derivs. formed were quaternized with Me tosylate, and the quaternized derivs. were treated with N2O3 to give nitrosoalkyl urea derivs., R1R2NCONR(CH2)nN+Me3 TsO- (R = H, Me or NO, R1 = Me, CH2CH2Cl2, or cyclohexyl and R2 = H or NO, and n = 2-4). The antitumor activity and toxicity of these compds. were evaluated. Toxicity of the disubstituted nitrosoalkylureas in comparison with choline-like nitrosoalkylureas was maintained at max. tolerable dose, 10-30 mg/kg, while that of the trisubstituted derivs. it decreased to the max. tolerable dose of 250-300 mg/kg. ClCH2CH2N(NO)CONMe(CH2)2N+Me TsO- showed the highest antitumor activity at 250 mg/kg. Structure-activity relations are discussed.

IT 111681-[illegible]6-8P 112557-32-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and quaternization of)

RN 111681-[illegible]6-8 CAPLUS
CN Urea, N-[3-(dimethylamino)propyl]-N'-methyl- (9CI) (CA INDEX NAME)



RN 112557-[illegible]2-1 CAPLUS
CN Urea, N-[4-(dimethylamino)butyl]-N'-methyl- (9CI) (CA INDEX NAME)



L23 ANSWER [illegible] OF 10 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1988:5307 CAPLUS
DOCUMENT NUMBER: 108:5307
TITLE: Preparation of carbodiimides using phase-transfer catalysis
AUTHOR(S): Jaszay, Zsuzsa M.; Petnehazy, Imre; Toke, Laszlo; Szajani, Bela
CORPORATE SOURCE: Tech. Univ. Budapest, Badapest, H-1521, Hung.
SOURCE: Synthesis (1987), (5), 520-3
CODEN: SYNTBF; ISSN: 0039-7881
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 108:5307

AB R1N:C:NR2 (R = cyclohexyl, Ph, Bu, Me, Me3C; R1 = aminoalkyl, PhCH2, cyclohexyl, Me3C) were prepd. by dehydration of ureas with arenesulfonyl chlorides under solid-liq. phase-transfer conditions with solid K2CO3 as base and R1R2N+Me3 Cl- as catalyst. The method was esp. useful for the

synthesis of unsym. substituted carbodiimides. The basic carbodiimides were converted into more stable, cryst. quaternary salts.

IT 31681-[illegible]-8
RL: RCT (Reactant)
(dehydration of, by arylsulfonyl chloride)
RN 31681-[illegible] CAPLUS
CN Urea, N-[3-(dimethylamino)propyl]-N'-methyl- (9CI) (CA INDEX NAME)

MeNH-C(O)-NH-(CH2)3-NMe2

L23 ANSWER [illegible] OF 10 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1987:32335 CAPLUS
DOCUMENT NUMBER: 1[illegible]:32335
TITLE: Nitrosoalkylureas based on alkylammonium salts and their antitumor activity
AUTHOR(S): Belyaev, A. A.; Gopko, V. F.; Radina, L. B.; [illegible]tetolchina, N. M.; Sof'ina, Z. P.; Anoshina, G. M.; [illegible]ova, T. E.
CORPORATE SOURCE: Inst. Khim., Sverdlovsk, USSR
SOURCE: Khim.-Farm. Zh. (1986), 20(5), 532-6
CODEN: KHFZAN; ISSN: 0023-1134
DOCUMENT TYPE: Journal
LANGUAGE: Russian

AB [illegible] compds. were prepd. by reaction of dimethyl(aminoethyl)amine with the appropriate isocyanate, followed by either quaternization or hydrochloride formation. In vitro tests of neoplasm inhibition showed 2 [illegible] derivs. to be the most potent. Given i.p. to mice bearing [illegible] tumors, the hydrochloride form was more active and more toxic than the quaternary salt form. Structure activity relations are discussed.

IT [illegible]996-[illegible]-6P 105996-[illegible]P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN [illegible] CAPLUS
CN Urea, N-[2-(dimethylamino)ethyl]-N'-methyl- (9CI) (CA INDEX NAME)

MeNH-C(O)-NH-CH2-CH2-NMe2

RN [illegible] CAPLUS
CN Urea, N-[2-(dimethylamino)ethyl]-N'-methyl-, monohydrochloride (9CI) (CA INDEX NAME)

Me NMe2

L23 CAPL COPYRIGHT 2001 ACS
AC 4:6088 CAPLUS
DO :6088
TI ydroxypropylamine aryl ester derivatives
IN , Sheung Tsam; Matier, William L.
PA rican Hospital Supply Corp., USA
SO Int. Appl., 70 pp.
EN: PIXXD2
DO ent
L lish
FA
PA

	KI	DATE	APPLICATION NO.	DATE
	A	19830526	WO 1982-US1536	19821028
	GP, RO, SU			
	H, FR, GB, LU, NL, SE			
	A	19860415	US 1981-320773	19811112
	A	19830831	ZA 1982-7749	19821022
	A1	19830601	AU 1982-10120	19821028
	A1	19831116	EP 1982-903569	19821028
		9861210		
	E, GB, LI, LU, NL, SE			
		19870618	AU 1983-10120	19821028
		19860304	CA 1982-415282	19821110
	A1	19831201	ES 1982-517296	19821111
	A1	19870331	IL 1982-67243	19821112
	A1	19841101	ES 1983-523804	19830701
	A1	19841101	ES 1983-523805	19830701
	A	19830711	NO 1983-2526	19830711
		19820921		
		19821230		
		31013	JP 1982-503552	19830712
		30427		
		50601	ES 1984-530788	19840320
	A	90307	US 1986-838082	19860310
	A	900619	US 1989-318147	19890301

PI TYPE:
US 1981-320773 19811112
WO 1982-US1536 19821028
US 1986-838082 19860310

AB H'OH)CH2NH-X-R1 [R = (un)substituted aryl,
lkylene; R1 = NR2COR3, NR2CONR3R4, NR2SO2R3,
N4 = H, alkyl, alkoxyalkyl, cycloalkyl,
a
, aralkyl; NR3R4 = 5-7 membered heterocycle]
W

09

Ac

with H2NCH2CMe2NH2 to give 57.4%

with glycidol to give 2-FC6H4CO2R5 (R5 =
s treated with I to give
2CC6H4F-4 (II). At 2.7 mg/kg II 3 h after
nibition of heart rate response to

of this invention were also useful in the
data).

ation); PREP (Preparation)

ethyl- (9CI) (CA INDEX NAME)

069 CAPLUS
69
ituted
propanols
sson, Bill Bemjamin Rudolf; Hedberg, Sven
; Lundgren, Bo Torsten
AB, Swed.
Pat. Appl., 25 pp.
BAXXDU

	APPLICATION NO.	DATE
706	GB 1982-35707	19821215
0807		
0810	EP 1982-850257	19821210
430		
, GB, IT, LI, LU, NL, SE		
0515	AT 1982-850257	19821210
0928	ZA 1982-9249	19821215
0618	FI 1982-4339	19821216
820	NO 1982-4237	19821216
922		
102		
701	JP 1982-219367	19821216
216	ES 1982-518268	19821216
0428	HU 1982-4066	19821216
127	CA 1982-417848	19821216
31	RO 1982-109344	19821216
	CS 1982-8725	19821216

116	CS 1982-9249	19821216
618	DK 1982-5601	19821217
623	AU 1982-91637	19821217
411	DD 1982-246176	19821217
128	PL 1982-239591	19821217
23	SU 1983-3657075	19831031
701	ES 1983-527314	19831116
201	ES 1984-535597	19840901
713	US 1985-757763	19850722
	SE 1981-7574	19811217
	EP 1982-850257	19821210
	US 1982-450006	19821215
	US 1983-482266	19830405
	US 1984-621147	19840618

P:

A:

N:

I:

R:

C:

M:

L:

A:

D:

T:

I:

P:

S:

D:

L:

F:

P:

= H, alkyl, cycloalkyl, cycloalkylalkyl; R1
ctive acyl group; R3, R4 = H, acyl,
= H, alkyl, hydroxyalkyl, alkoxyalkyl;

Novascular agents (no data), were prepd. by
4-(2-methoxyethoxy)phenyl ether was treated
olinecarboxamide to give I (R-R4 = H, n = 2,

dyl aryl ethers)

hyl- (9CI) (CA INDEX NAME)

GHT 2001 ACS
07 CAPLUS

ropoxyphenyl derivatives and pharmaceutical
ions containing them
Richard; Louis, William John
G., Switz.
Appl., 57 pp.

	APPLICATION NO.	DATE
	EP 1981-810439	19811102
B, IT, LU, NL, SE		
07	FI 1981-3412	19811030

	AT 1981-810439	19811102
	DK 1981-4893	19811104
	JP 1981-175825	19811104
	ES 1981-506842	19811104
	US 1981-318292	19811104
	IL 1981-64213	19811104
	HU 1981-3306	19811105
	SU 1981-3372598	19811105
	CA 1981-389517	19811105
	AU 1981-77171	19811106
	ZA 1981-7702	19811106
	US 1993-46937	19930413

PI FO.:

CH 1980-8249	19801106
CH 1980-9347	19801218
CH 1981-4073	19810619
CH 1981-4074	19810619
EP 1981-810439	19811102
US 1981-318292	19811104
US 1984-567471	19840103
US 1985-778831	19850923
US 1986-897557	19860818
US 1988-173845	19880328
US 1989-307028	19890203
US 1989-399721	19890825
US 1990-474185	19900202
US 1990-584306	19900917
US 1991-782791	19911021

AI ...cloalkyl, alkenyl, cycloalkylalkyl, ...ed ...ralkenyl; R1 = H, substituent; R2 = H, R; Q... = O, S; Z = O, n = 2, 3; Z = bond, n = 1-... ...alky., and Q1 = bond, the R1 = su... ...drolyzable derivs. in esterified form, in ...ful as cardioselective .beta.- ...were prepd. E.g., 4-PhCH2OC6H4OH was ...ylmethyl ether, and the resultant -(... ...oxy)benzene was debenzylated by ...4-(2-cyclopropylmethoxyethoxy)phenol was ...ated with CuCN to give 2-benzyloxy-5-(2- ...oxy... ...nitri... The latter was debenzylated by ...h epichlorohydrin to give ...propylmethoxyethoxy)benzonitrile. The ...)-3-phenylurea to give ...oxy)phenoxy]-3-[2-(3- ...). II was an effective ... Ca. 82 examples of I were prepd.

IT

09

pro benzene derivs.)

RN
CN th (CI) (CA INDEX NAME)

Me

L2 01 ACS
AC S
DO
TI Inhibitors of nucleotide biosynthesis. 1. nucleosides. 2
AU y, A.; Thomas, H. Jeanette; Brockman,
R.
W , Glynn P.
CO ab., South. Res. Inst., Birmingham,
SO 1981), 24(2), 184-9
CODEN: ISSN: 0022-2623
DO
LA
AB Me, yclohexyl; R1 and R2 = H or NO; R3 =
l, cil-1-yl; R4 = H or OH) were prepd.
a . The low level of biol. activity
of
ity compared to the known nitrosourea

IT
preparation); PREP (Preparation)
ranuronic acid)
RN
CN (CI) (CA INDEX NAME)

Me

IT
(Preparation)

RN
CN , mpd. with 2,4,6-trinitrophenol (1:1)